

THE WORLD'S BEST-SELLING AMIGA

AMIGA FORMAT

ISSUE 34 ■ MAY 1992 ■ £3.95

**AMIGA 600
REVEALED!**
The new Amiga

Excellent!
Complete £80 package

The **AMIGA** Collection
FORMAT

No.2 RRP £80
PageSetter
V1.2 from Gold Disk



COMPLETE FULLY-USEABLE DTP PROGRAM!
Get into DTP the smart person's way, with an easy-to-use layout package combining a simple word processor and a graphics editor tool!

● A 500 Plus Compatible ● 1Mb recommended ●

AMIGA Down at the Arcade
FORMAT

The two best game demos of the year!



Sensible Soccer - the Kick Off of 1992



Jaguar Racing - hottest driving game to date

And a fabulous complete game!



Mutant Camels - Jeff Minter's latest arcade classic

1Mb and 512K ● A 500 Plus Compatible

Move up to DTP

Learn how to put your Amiga to work in the most demanding field there is

PLUS exclusive reviews: the latest versions of the top DTP programs

You too can create games

Suss all the tricky techie stuff with Easy AMOS!



NO COVERDISKS?

THEN ASK FOR THEM FROM YOUR NEWSAGENT

STUNNING NEW RELEASES!
It's great, it's here: the best Amiga sound sampler ever!
GREAT NEW GAMES: Vroom!, Elvira II, Dynablasters, Titus

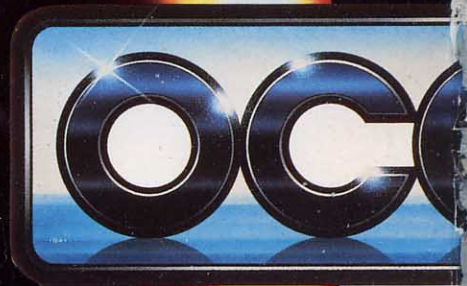
Future
PUBLISHING
Your guarantee of value



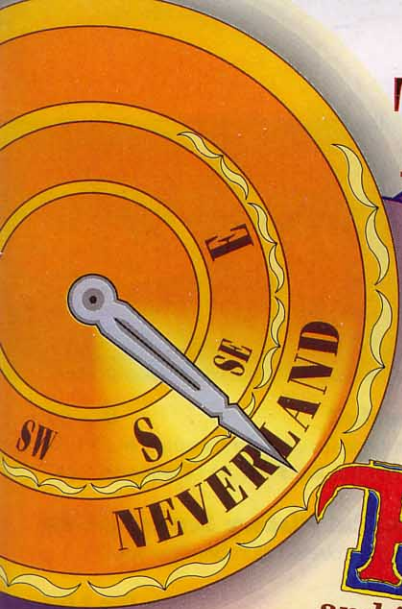
05

9 770957 486011

Look



THE MAGICAL SPIRIT OF SPIELBERG ILLUMINATES YOUR MICRO



PETER PAN has now grown up, and is far away from **NEVERLAND**, but his old enemy **CAPTAIN HOOK** has not forgotten and schemes his revenge.

Kidnapping Peter's children, he lures our hero back to the Island of **PIRATES** and "**LOST BOYS**" for a final confrontation.

With the help of **TINKERBELL** the faithful fairy, you take on the role of **PETER** in this magic adventure fraught with danger and excitement.

ALSO AVAILABLE FOR

Nintendo®



OCEAN SOFTWARE LIMITED
6 CENTRAL STREET · MANCHESTER · M2 5NS
TEL: 061 832 6633 · FAX: 061 834 0650

© & TM 1991 TRI-STAR PICTURES, INC. ALL RIGHTS RESERVED. HOOK™ AND ASSOCIATED CHARACTER NAMES ARE TRADEMARKS OF TRI-STAR PICTURES, INC. NINTENDO®, GAMEBOY™, NINTENDO ENTERTAINMENT SYSTEM AND THE NINTENDO PRODUCT SEALS AND OTHER MARKS DESIGNATED AS TM ARE TRADEMARKS OF NINTENDO.

AMIGA FORMAT 34 MAY 1992

EDITORIAL DEPARTMENT

EDITOR Damien Noonan
SCREENPLAY EDITOR Neil Jackson
TECHNICAL EDITOR Pat McDonald
STAFF WRITER Maff Evans
PRODUCTION EDITOR Gary Lord
EDITORIAL ASSISTANT Clare Hodgson

ART DEPARTMENT

ART EDITOR Marcus Dyson
DESIGNER Frank Bartucca

ADVERTISING DEPARTMENT

GROUP AD MANAGER Jonathan Bint
DEPUTY AD MANAGER Duncan Ferguson
GAMES SALES MGR Simon Whitcombe
SENIOR SALES EXEC Tim Partridge

PUBLISHING

ADVERTISING PRODUCTION Nicola Lucas
PROMOTIONS MANAGER Michele Harris
PROMOTIONS ASST Tamara Ward
CIRCULATION MANAGER Sue Hartley
CIRCULATION ASST Kate Elston
PUBLISHER Greg Ingham
GROUP ADMIN ASST Katrina Windows

PRODUCTION

PRODUCTION TECHNICIANS
Simon Windsor, Chris Stocker,
Jerome Clough, Simon Chittenden

PHOTOGRAPHY

Ashton James (Bath)

ILLUSTRATION

Mike Roberts, Devizes; Jeremy Pyke, Bath

COLOUR REPROGRAPHICS

Bath Graphics (Bath), DP Graphics (Holt),

Phoenix Reprographics (Bath)

PRINTED BY

Chase Web Ltd, St Ives PLC, Plymouth

NEWSTRADE DISTRIBUTION, UK

Future Publishing, 0225 442244

NEWSTRADE DISTRIBUTION, OVERSEAS

MMC Ltd 0483 211222

AMIGA FORMAT

30 Monmouth Street
Bath, AVON, BA1 2BW
Telephone 0225 442244
Facsimile 0225 446019

SUBSCRIPTIONS, BACK ISSUES

MAIL ORDER DEPARTMENT

Future Publishing, Somerton,
SOMERSET, TA11 6TB
Telephone 0458 74011
Facsimile 0225 446019



No part of this publication may be transmitted or reproduced in any form without the permission of the publishers. Ooh, that sounds harsh!

Observation of the month:
Why is it that the rediscovery of Kick-Off results in no work getting done?

Member of the Audit Bureau of Circulations.

Registered Circulation

ABC

130,143

July - Dec 1991

News

18

FIRST NEWS OF THE NEW AMIGA! Read all about the new Amiga 600 - possibly the first genuinely innovative Amiga released since the A500! We've got the first official details of the new machine!

Screenplay

43

Covering more of the games scene each month...

Coming Attractions

44-45

A good look at the potential hits of the future, starring new WW2 bomber flight sim **B17 Flying Fortress**

Under Construction

48

Lemmings go home! Here's **Humans** from MicroProse

The next big thing?

51

Driving pushes the limits in **Jaguar Racing** from Core

Reviews

54-82

Backgammon	81
Black Crypt	78
Brides of Dracula	74
Chess Champion	81
Dynablaster/Bombberman	71
Elvira II - The Jaws of Cerberus	54
Fireteam 2200	82
Gateway to the Savage Frontier	67
Go!	81

Reviews

Coming Contraptions

113

Find out what's new in 'serious' software and hardware

ProfessionalPage 3

118

The latest version of Gold Disk's doyen of DTP...

PageStream 2.2

120

...and the new version of Soft Logik's challenger

ProCalc

129

Sort out your calculations with the best spreadsheet ever

Caligari 2

138

A whole new ease of use makes 3D GFX accessible at last

Easy AMOS

144

Want to program, but daunted? Here's the final solution!

Presentation Master

151

Slick business presentations and a whole heap more...

Audio Engineer Plus

156

The best Amiga sampler there is: no contest! But why...?

Regulars

PD Update

169

The best way to find out what's cheap and excellent

Workbench

207

Your problems solved, your questions answered

Letters

219

Find out what's making waves with Amiga owners

Mail Order

186

We pick out the best and offer it at bargain prices

Subscriptions

160

Make it easy on yourself: get your mag delivered

The new Amiga 600

IN NEWS: the first official details of the new Amiga in the range. Get your first look at the Amiga 600, which boasts a number of exciting new features... and find out all about it here, first!

Cheap 'n' Cheerful!

86-87

Can you get excellent games without splashing out £30? Yes! And some real classics, like **F-16** and **Robocop** too!

Charts and Magical History Score

89-90

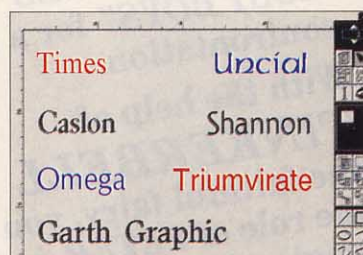
Which game has hit the coveted Number One spot?

Gamebusters

97-103

The tips section, with a massive **Battle Isle** player's guide

Harpoon Battleset 3	82
The Jetsons	82
Psyborg	82
Race Drivin'	58
Space Crusade	77
Space Gun	64
Titus the Fox	62
Ultima VI - The False Prophet	78
Vroom!	56



REVIEWED:
ProfessionalPage 3

This latest version of the top DTP program should keep it top of the heap: but can it face up to the new, strong competition?



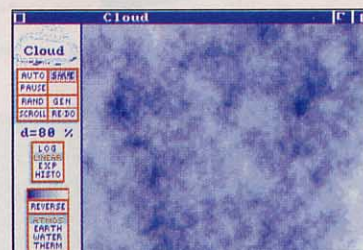
REVIEWED:
Easy AMOS

Always wanted to try your hand at programming, but never found an easy place to start? If so, your prayers have been answered!



REVIEWED:
Audio Engineer Plus

The best Amiga sound sampler just got better: be there in the line with cash in your hand!



IN PUBLIC DOMAIN

Add realistic skies to your Vista landscapes with this excellent fractal clouds utility.



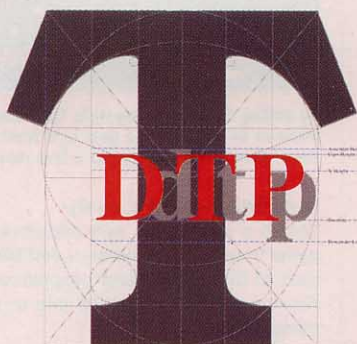
Move up to DTP

Every time we ask readers which feature of their Amiga they would most like to explore, DTP comes out tops. Why not try it yourself?

The rewards are immense: you'll be able to produce your own publications; from fanzines and newsletters to glossy colour magazines.

But it's a tricky and technical area, with its own jargon and techniques. What you need is the simplest guide ever to Amiga DTP... starting now!

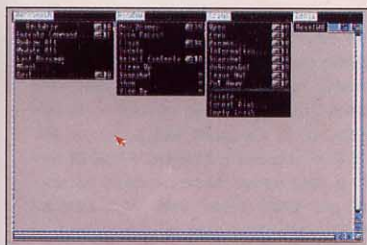
30



Getting to grips with Workbench

199

If you're confused about the Workbench disk, follow our simple guide to what it is, what it does, and how you can get in there and do it too!



Welcome to Amiga Format!



Damien Noonan, Editor

Hello and welcome to **AMIGA FORMAT**, the world's best-selling magazine especially for Amiga owners!

You are now reading the biggest-selling computer magazine in the whole of Britain. Part of the reason for this is that the Amiga is far and away the most popular home computer there is: and home computers are owned by dedicated, enthusiastic people who really care about getting the best from their machines.

But we also like to think that it's because we genuinely care about bringing you the best possible magazine. This magazine is created by an enthusiastic team of experts who are constantly striving to make this the magazine that you most want to read. To our way of thinking, this is a simple formula: it's all about news, reviews, advice and exploration.

We want to bring you the exciting news first: that's why we've fought against the odds to bring you the full story of the new Amiga, the A600, this month.

Our reviews have consistently been voted by computer retailers as the ones that help them most when they're deciding what to stock: so we are clearly to be trusted when it comes to advice on what to buy. You can normally rely on us to bring you the first reviews of new software and hardware: and you can certainly trust our integrity when it comes to deciding what to buy.



Then there's the tips and advice sections: Gamebusters for cheats and clues on beating the best games, and Workbench to answer all your questions on the more technical side of things.

Add in the features that help you explore new areas, like the exciting world of DTP this month, and you have a package that can't be beaten for quality. Read on!

COVERDISK turn the page!

Down at the Arcade
AMIGA
 FORMAT

The two best game demos of the year!

Sensible Soccer - the Kick Off of 1992
Jaguar Racing - hottest driving game to date

And a fabulous complete game!



Mutant Camels - Jeff Minter's latest arcade classic

1Mb and 512K • A 500 Plus Compatible

Sensible Soccer



The boys at Sensible looked closely at their fave soccer game and decided they could do it too! The result: a frantic, exciting footie demo. Play it!

Jaguar Racing



Everything a driving game should be and more: it's fast, it's absorbing, it's beautifully put together and stars a stunning vehicle. Core car action!

Revenge of the Mutant Camels



Get a large dose of stunning arcade action in the form of the latest complete game from star coder and bonkers hippy Jeff Minter. Go camel!

on page 11...

No.2 RRP £80
PageSetter
 V1.2 from Gold Disk

The **AMIGA** Collection
FORMAT



COMPLETE FULLY-USEABLE DTP PROGRAM!
 Get into DTP the smart person's way, with an easy-to-use layout package combining a simple word processor and a graphics editor tool!

● A 500 Plus Compatible ● 1Mb recommended ●

PageSetter 1.2

The second in The Amiga Format Collection series of COMPLETE, FULL-PRICE PACKAGES, this is the ideal way to get started in DTP. Gold Disk's beginners' package includes not just a layout package with which to paste your text and pictures into finished pages, but also a graphics program and a simple word processor too. You'll be impressed: find out where to start by starting on Page 11...

Down at the Arcade

AMIGA FORMAT

The two best game demos of the year!

Sensible Soccer - the Kick Off of 1992
Jaguar Racing - hottest driving game to date

And a fabulous complete game!

Mutant Camels - Jeff Minter's latest arcade classic

1Mb and 512K • A 500 Plus Compatible

Coverdisk

Here's a Coverdisk that will even put your local games arcade to shame. And **Pat McDonald** provides all the necessary info to get you wagging that joystick in absolutely no time at all.

GETTING STARTED

If you're reading this box you must be a new reader, so concentrate on learning the way of the Coverdisk. All you have to do is put it in the disk drive after switching on your Amiga. After a few seconds, a cut down version of Workbench will load.

Move the mouse pointer to the large **Amiga Format** Coverdisk icon, and double click with the left button. A large window will open on the screen, showing icons for the three programs (*Revenge*, *Jaguar Racers* and *Sensible Soccer*) as well as for the *Revenge* Readme document.

To look at any of the programs, just double click again with the left mouse button on the relevant icon. None of the programs allow you to quit (although the *Revenge* document does). To look at any of the other programs, reset the computer by pressing the Ctrl key and the two 'A' keys either side of the space-bar all at the same time.

Oh yes, and if you want to play two-player *Revenge* or *Sensible Soccer*, you will need two joysticks! It may seem obvious but if I had a penny for every phone call I got...



We've made the Coverdisk as simple as possible - all you have to do is double click on the disk icon, then double click on the program that you want to run.

REVENGE OF THE MUTANT CAMELS



By pulling down on the joystick, the Camel can be made to lie down. If the goat is in front of the camel then it will leap on for a free ride.

Jeff Minter PAL only

This is a simple, but very addictive shareware game from the assembler of Jeff Minter, a stalwart of the independent programmer's scene. *Revenge* can be played by one or two people using joysticks.

The plot is fairly simple. All you have to do is walk from left to right through 20 levels of increasing mayhem, shooting nasties and avoiding damage to your beasts as you go. That's all there is to it really.

Revenge starts on the Attract screen. To start playing, press the fire-button to go to the options screen, and fire again. Alternatively move up and fire to look at the high scores, or down and fire to return to Attract mode.

Revenge can be played in three different ways; Solo, CPU Assist or Two player. In Solo you just control the camel, with no help at all - it's the most difficult way to play the game. CPU assist gives you a computer controlled goat helper, to provide twice the fire-power. Two player lets somebody else control the goat via a second joystick.

Every few levels in *Revenge* there is an Oasis screen. This gives a special code, which can be entered when starting a new game, to skip levels you've already completed.



The more shots that you pile into the nasties as they fall, then the more tokens that will come floating down the screen.

The controls of *Revenge* are fairly simple, but I'll describe them to avoid confusion. You don't need to press the fire-button to fire - both beasts will automatically fire all the time. Instead, when you press fire and move, you control the directions that you're firing in. Diagonal firing seems to be the most effective.

Movement is a bit more complex. By pulling down, the camel will crouch - if the goat is ahead of it, the goat will jump on the camel's back to present a smaller target to the nasties. So if your camel hasn't a rider, crouch down and get one! Note that you cannot crouch on the left-hand side of the screen - the camel is too busy dancing.

Some levels have obstacles on the ground. These can usually be shot, but an easier tactic is to jump over them. To jump, push up with the joystick - and avoid any hovering nasties, as contact with them will eventually prove fatal.

The way to win in *Revenge* is to keep shooting the nasties - not once, not twice, but as often as you can. The more hits you get, the more tokens come floating down the screen. Nearly all the tokens that come down are beneficial, and they can do things like increase your fire-power, give you bonus lives, smart bomb the opposition and so on.

SHAREWARE - YOUR CHOICE!

Revenge is shareware. That means that, if you like the game, you are supposed to send £5 (or the equivalent in foreign currency) to Jeff Minter, to repay the time and trouble he took over the game. If you don't like it, don't bother. And feel free to pass on copies to those interested, so they can decide for themselves. Simple eh?

If you like it and don't bother paying the programmer for his work, nobody is going to chase you over the matter. But remember that effectively you are stealing off the guy, and the Yak (as Jeff is sometimes known) is no fool.

He's been programming for over 10 years, sometimes releasing games through software houses, but more usually through his own label, Llamasoft. He likes programming the Amiga, because he likes writing the sort of arcade

game that looks (and sounds) best on an Amiga. If Jeff doesn't get many shareware payments from **Amiga Format** readers, then he just won't bother doing any Amiga versions of his games anymore. That will be great pity, because what he really loves doing is games with masses of playability. But he needs to make a living at his trade, and if other computer owners are more honest, then he will go for those markets. Same goes for other shareware programmers.

It's up to you. More details on the shareware deal can be found by double clicking on the *Revenge* Readme document - spend a while reading it as it's very long. You can also (for once) print it out if you have a printer. Personally, I love the game, and my cheque is on its way.

WELCOME TO AN early preview of what could probably be the best driving game on the Amiga. The Jaguar XJ220 is arguably the fastest saloon car yet built, and now you can try racing it for yourself!

The Coverdisk demo is a five lap race over a fairly long course, so be prepared to have a few attempts before you manage to finish it in first place. Starting right at the back of the field certainly doesn't help – but as you've the fastest car on the track, it's certainly possible. Just.

One other thing to bear in mind is that the car is fitted with an automatic gearbox. So you can concentrate on finding the right moments to steer and brake, rather than having to maintain your engine and gearbox.

The controls are very simple indeed. Use a joystick to steer left and right, pull back to brake (it's very powerful – use it sparingly) and keep pushing the fire-button to accelerate.

Maintaining the right line is very important. In general, it's far easier to try and pass cars on the left (their blind side). This is necessary on the first lap, as your car can blast through 15 or more cars before they've really got going.

As the race progresses, you gradually pick up the layout of the course. There's only one bend that you must brake for, and it occurs just before the marshes pop up – about two thirds of the way around the track. Remembering just when and where to brake is the hardest part of the demo.

A slightly less tricky part is the marsh stage itself. Going off the road will bog down your car very quickly, so keep steering away from the edges. At the same time, puddles of water crop up in the road; again these slow you down if you hit them.

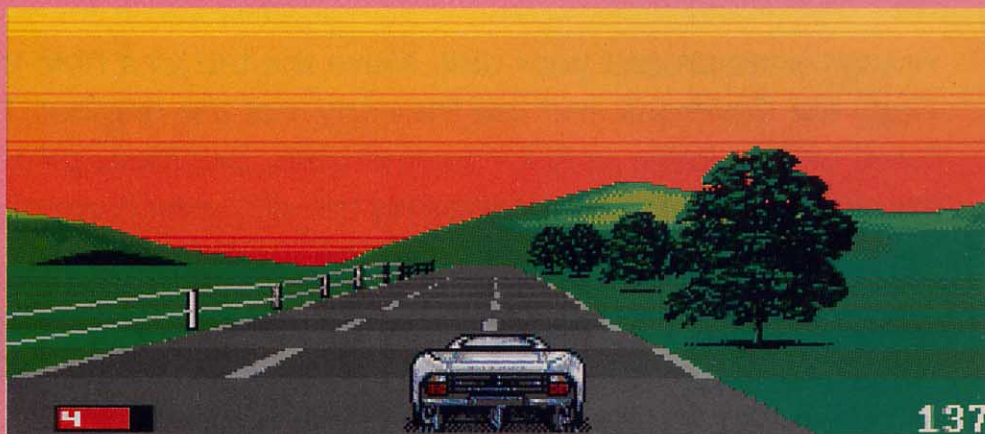
It may seem impossible to steer between the edge of the road and the puddles, but *Jaguar's* very fine control let's you master it after a lap or two. I find it's slightly easier to stay on the right-hand side through the marshes, but you may find the left more forgiving.

It may seem impossible to finish the race in first place, but the most important factor is how fast you start. Get off to a flyer and you can cruise up to fifth, no trouble.

Right at the end of the course these three bridges deceive you into steering hard right when you should steer gradual left. It's no big deal really – hitting the bridge is tricky.

Jaguar Racers

Core Design PAL/NTSC



Beware of getting too close to the fences. If you hit them, they don't slow you down much but they do knock you all over the track, increasing the chances of hitting other cars.



The Marsh section is tricky and requires maximum concentration. Don't steer in the middle of the road, because the puddles will slow you down.



FORTHCOMING FEATURES

As seen, there's a lot missing from the demo. The final finished game (due out in May, although that's probably a bit optimistic) will feature 36 race tracks, in 12 different countries. If you pile your Jaguar too often, then you have to pay for repairs – which may limit where you can race, because it costs to travel to different countries. An added management element.

The most important playability feature to be added is the two-player option. This will split the screen across the middle and let two people race simultaneously. A system used in many, many racing games, purely because it works and gives a really competitive feel to the game.

The novel idea that Core are confident of squeezing in is a track designer. Rather than the usual 'Scalextric' style of adding together preset curves, bends and straights, Core Design are planning on a more fluid design. So you will be able to tailor the curves from slight bends to full 180 degree hairpins – as well as controlling the hills and dips. Should be good.

SENSIBLE SOCCER

Sensible Software PAL only

Again, this is only a demo. Sensible Software have been around for years, cutting their teeth on early classics like *Wizball* and more recently producing the quite excellent *Mega-Lo-Mania*. They have now decided to pay homage to the greatest footie game available – Dino Dini's *Kick Off*.

Similarly to *Jaguar Racing*, Sensible Soccer is still in the early stages, but enough work has been done to let you have a game against a friend, or a quick practice to get the hang of the controls. Either will end when a goal is scored, and the menu will reappear after a few seconds.

Sensible Soccer is played entirely with joysticks – a mouse will let you kick the ball, but you can't control the players. To start the game, move the joystick up or down to select practice or a two-player game, and then press fire.

Control really is very easy. The player you are controlling at any one time is marked by his number – push the joystick to make him move in a



Starting off from the centre spot is very easy – turn to a player and pass to start the game. Don't wait for the ref to blow his whistle, because there isn't one!

given direction. When he's got the ball, simply tap the fire-button to shoot or pass in the direction that he's facing.

Only a couple more points. First, be careful when the goalie has the ball – it's all too easy to acciden-



All goals scored will result in a replay of the last few seconds – invaluable when seeing who was the hero and who was the villain.

tally throw it into the back of your own net! And also don't be put off by any minor bugs that appear (such as the ball sticking to a goal post or similar). *Sensible Software* did want to do a new demo to get rid of these, but our disk deadlines would not allow for this. Sorry.

Using Your Coverdisk

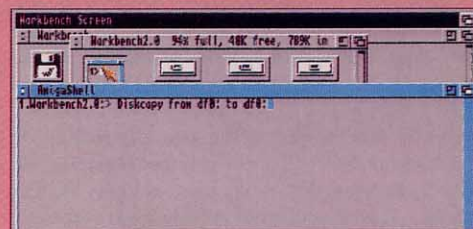
1. Always write-protect your disk. Move the tab so a hole is showing.
2. Copy the Coverdisk and use the copy, not the original. This may sound like a complicated task, suitable only for techno buffs, but it's surprisingly simple to do, just follow the simple instructions for copying the disk which are given below.
3. Read the instructions when using the programs.

Backing up your Disk

There are two ways of making a copy of your disk, and this is the easy one. Don't be daunted by the fact that you need to use the Shell or CLI: it's actually a lot easier than you might think. Just follow these simple steps...

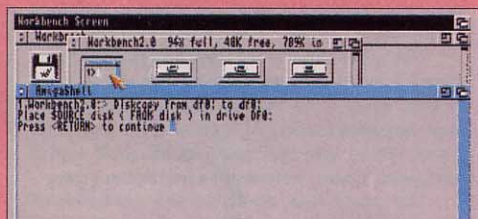


1 Load your Workbench disk. Open the disk, find the icon that says Shell or CLI and double-click on it.



2 When the Shell window appears and the drive light is out, type in:

Diskcopy from dF0: to dF0:
and press the Return key.



3. The Amiga will now ask you to insert the 'source' disk. It means the disk you want to copy, so put the Coverdisk in the drive and press the Return key.



4. Wait for a while and it will read all the information off the Coverdisk, telling you how far it has got. Then it will ask you to insert the "Destination" disk. Put the disk you want to copy your Coverdisk onto in the drive and press the Return key. Note that the disk does not need to be formatted already.



5. Put the source disk and destination disk in a couple more times when the Amiga asks for them. When it says "Diskcopy Finished" just type in:

endcli
to get out of the Shell or CLI. You may have to put the Workbench disk in again. Now your copy is ready!

DISK PROBLEMS?

If you have a problem with the disk – and you're sure the disk is in full working order – then you may need a little help. If you ring us on any Tuesday, and ask to speak to Pat McDonald, he will do his best to help you. Please understand, giving this sort of advice is time-consuming and we are very busy people, so only call if you *really* have to and do be considerate if we can't talk to you just then. If the problem is particularly complex it is better to send it to us in written detail. It will then be dealt with in the Workbench pages of the magazine.

BE CAREFUL!

We have done our best to check that the programs on the **Amiga Format** Coverdisk are simple to use and have no known viruses. We cannot usually answer complex telephone queries on the software (see the Disk Problems? box) and we do not accept liability for any consequences of using the numerous programs that are on the disk.

COPYRIGHT

Unless it is specifically stated, the programs on the Coverdisk are not in the Public Domain and the copyright remains with the author of the program.

Because some of the programs on the Coverdisk are not PD, selling or distributing them without the author's specific permission is against the laws of copyright.

Disk not working?

We duplicate over 440,000 disks every month. Out of all those, obviously a few will be faulty. If the disk or any of the programs will not load or run properly, there may be a problem. Don't panic!

First try using the *DiskDoctor* utility on your Workbench disk to rescue it before sending it off for a replacement. In-full details of *DiskDoctor* can be found in the user's manual that came with your machine.

However, if your Coverdisk is faulty, you should send it back INCLUDING AN SAE for a free replacement within a month of the cover date to:

**Amiga Format May Disk
Disk Copy Labs
Unit A, Westmarch
London Road
Daventry
Northants
NN11 4SA**

Remember to include that stamped, addressed envelope!

MILLENNIUM PUTS THE WORLD IN YOUR HANDS



GLOBAL EFFECT



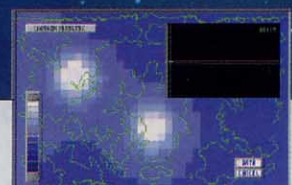
Build power sources to supply and expand your cities.



Build military bases for offensive and defensive action.



Plant forests and parklands to counter world pollution.



Check for pollution, CO2 and ozone coverage.



Survey for natural resources and seismic stability.

A distant world - a new civilisation. You control the delicate balance of the natural world. Confront the many challenges of a true world leader - your actions can save the world from global warming and city pollution... your forces can destroy the enemy trying to blast your cities or poison your planet.

The world is in your hands - take control!



Constantly monitor the state of your planet.

DISTRIBUTED BY



PUBLISHED BY MILLENNIUM, ST. JOHN'S INNOVATION CENTRE, COWLEY ROAD, CAMBRIDGE CB4 4WS

*Amiga screen shots
© Millennium 1992

AVAILABLE ON AMIGA (1Mb)
PC & COMPATIBLES (640K)
Adlib, Roland,
Soundblaster



“BLACK CRYPT” – IF YOU LIKE YOUR DUNGEONS DRIPPING WITH MONSTERS.

The “Black Crypt”™ positively oozes with twenty five of the most hideous and despicably cunning monsters.

They await you in a dozen plague-ridden inter-connecting dungeons, on 20 spell binding levels.

The most heinous among them is the Dark Lord Estoroth, who, many centuries ago, had been banished from the land by four Guardians with awesome supernatural powers. In the process, the Guardians and their weaponry had been lost.

Now Estoroth is back, seeking a ghastly

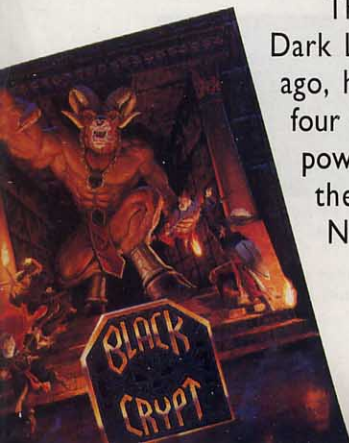
revenge against a defenceless people.

Your task is to lead an intrepid band of adventurers to retrieve the mystical artifacts that may hold the power of the four Guardians and provide your only chance of saving the world from evil.

The “Black Crypt” is the most electrifying fully animated dungeon adventure, with exceptionally detailed rotating point-of-view perspective.

It features real-time combat and spell-casting, all in 64 colour extra half-brite Amiga graphics.

But be warned, you enter this breeding ground of evil at your own peril. And hopefully not on a full stomach.



£25.99

Available on Amiga.

ELECTRONIC ARTS

Electronic Arts, Langley Business Centre, 11-49 Station Road, Langley, Berks SL3 8YN,
Tel: 0753 549442, Fax: 0753 546672

The **AMIGA** Collection
FORMAT

No. 2 RRP £80
PageSetter
V1.2 from Gold Disk



COMPLETE FULLY-USEABLE DTP PROGRAM!
Get into DTP the smart person's way, with an easy-to-use layout package combining a simple word processor and a graphics editor tool

● A 500 Plus Compatible ● 1Mb recommended ●

Getting to grips with PageSetter

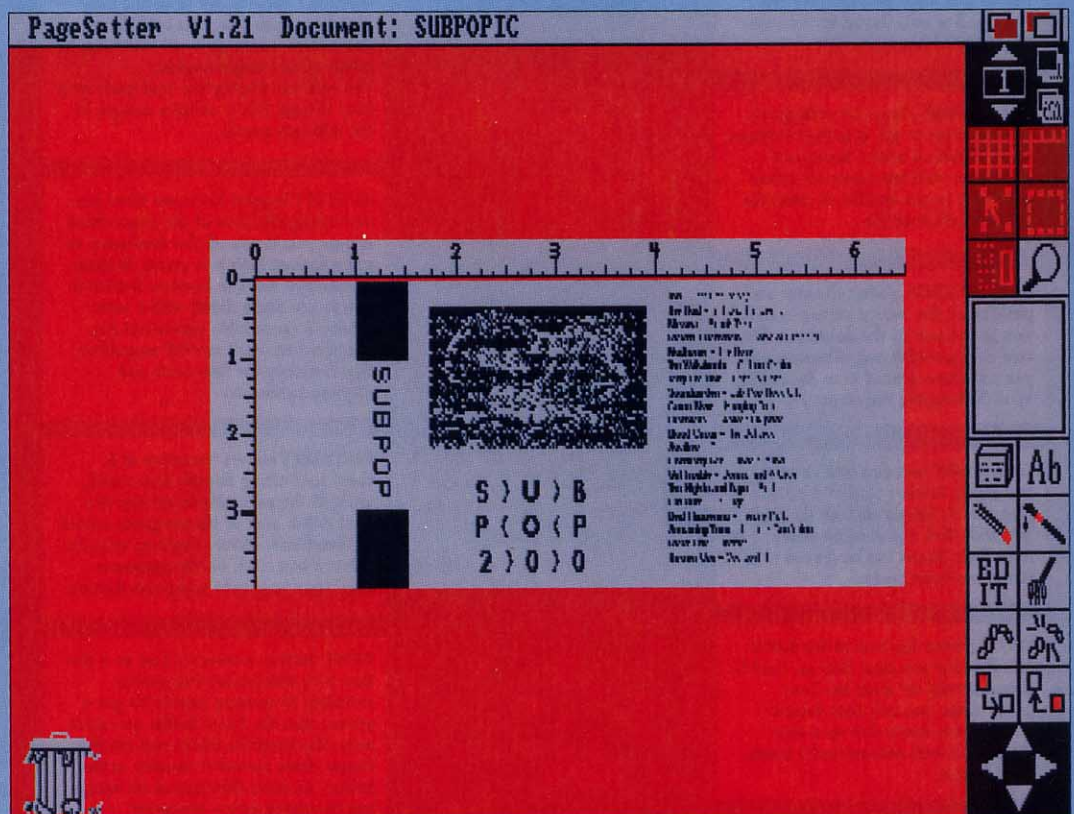
This month The Amiga Format Collection brings you the original Amiga desktop publishing package. Despite its age, Gold Disk's venerable PageSetter remains the definitive entry-level DTP program. **Marcus Dyson** takes a look at how to put your ideas into practice, and onto paper.

SO WHAT'S IT ALL ABOUT, this desktop publishing lark? I mean, it sounds very grand doesn't it, but that's mainly to do with the use of the word 'publishing', which conjures up images of editors, staff writers and designers, like here in the **Amiga Format** offices doesn't it? But it's more about being able to produce printouts on your Amiga that include both text and pictures, and that look good.

What you use them for precisely is down to you, it could be for inlay cards for your cassette collection, to produce a news letter for your local rugby club, or even a fanzine. You could, of course, probably make items like these using other methods, but it would surely involve lots of cutting out and sticking down. So why not save yourself the bother, and let your Amiga do all the hard work.

PageSetter, in its original form was the first DTP program for the Amiga. Most of the improvements that have been made to DTP programs in recent years have been to do with their ability to output to better – and much more expensive – printers, or to use outline fonts, which are good, but again cost extra. If you are using a standard Amiga system, with Amiga fonts and a dot-matrix printer, *PageSetter* will do all the basic things you could want from a DTP program, and it's all yours for the price of a disk, courtesy of *The Amiga Format Collection*. If you don't have a printer, you can save your work on disk and take it to a friend's house to get it printed.

PageSetter does have a couple of limitations, and we might as well get them out of the way. Firstly it's mono only, no colour whatsoever, and that's really the only area in which it can be a bit of a let down. Secondly, there is no way to put text at an angle, not even 90 degrees or upside down; all your text has to be perfectly horizontal. Nowadays designers put text at all sorts of angles, to create interesting pages, but text at 90 degrees is almost essential for things like titles on spines or page numbers like the ones in **Amiga Format**. There is however a way to do this if you're prepared to do a little extra work, if you turn to the box on Page 13 all will be revealed.



Working in PageSetter, your document is on the pasteboard in front of you and the Toolbox is easily accessible at the right-hand side of the screen. Documents made up of your designs, from your own printer are merely moments away.

On the plus side, *PageSetter* can be used with any Amiga (Bitmap) font, and these are widely available in the Public Domain. It also prints to any preferences printer, so if you are already printing with your Amiga, you should have no problem printing from *PageSetter*.

Like the *Workbench* itself *PageSetter* uses a desktop analogy; you can see your document laying in front of you, and within easy reach of your right hand you will find a toolbox full of most of the things you will need to create your page. *PageSetter* also has its own Text Editor and Graphics Editor, which are referred to as Departments. It's fairly obvious what each does from its name, but it's important to learn how to use them since they are the main routes for getting words and pictures onto your page.

Once the picture and text (which we will call page elements) are in your document, it's just a matter of getting them in the positions where they look their best. Boxes can be clicked on and dragged, and sent to the front or back, just like windows on *Workbench*.

It is important to back up your *PageSetter* disk, following the instructions on Page 8. Otherwise, unless you are using a hard drive, *PageSetter* can read to and write from the program disk, whilst it is running.

GETTING STARTED

Put the *PageSetter* disk in your drive when you start your machine. It will boot to its own *Workbench*; double click on the program icon and you're away. The icon 'click me' runs quite a good help file, try it if you get stuck.

The PageSetter Toolbox

PAGE SELECTION GADGET

Clicking on the up or down arrow moves your document to the next, or previous page. The number displayed in the box is the number of the currently visible page. Only one page may be viewed at a time.

GRID

This item extends a projection of the ruler markings across the document page to form a graph paper like grid. This grid helps with the accurate lining up of page elements with one another. It also helps to read off ruler markings accurately.

SNAP TO GRID

Makes boxes all-position dependent operations, like moving or creating a box, align with the nearest intersection of grid lines, whether the grid is displayed or not. Useful for accurate alignment of boxes.

BOX OUTLINE Turns the outlines of the boxes on or off. It is best to have them turned on whilst laying out your page, and turn them off when you want to get an idea of what the printout will look like.

PAGE POSITION shows the size and position of the current screen in relation to the rest of the document. The size changes with magnification, and you can move around your document by click-dragging the rectangle.

CREATE BOX lets you make a new box ready to have text or a picture placed in it. Simply click on the gadget, then click and drag on your document. Boxes can be moved once they have been made.

WRITE pastes the text in the buffer into the box you next click on, text is automatically cut from the Text Editor when you quit that department. If you don't click on a box PageSetter will automatically create one for you.

EDIT takes you and the contents of the current box into the relevant Editor department, depending on whether it is text or a graphic.

LINK and **UNLINK** connects boxes to (or disconnects them from) a text 'chain'. This means if there is too much text for one box it will 'flow' into the next one, similar to the columns in a magazine.

GRAPHIC ADJUST allows you to position a graphic element within its box. Pressing any of the arrows will move the graphic one pixel in the desired direction. Clicking on the centre will return the picture to the position it was originally imported to.

BOX TO FRONT and BOX TO BACK

These tools work on the currently selected box to move it either in front, or behind all the other boxes on a page. Sensible layering of boxes can enable effects to be obtained that are not otherwise possible, the partial obscuring of a graphic object for instance, or double bordering of a text or picture box.

RULERS

This gadget toggles between rulers on and rulers off. The rules appear along the top and down the left of your work area and are very useful for the accurate positioning of page elements. Due to the program's American origins, the rules are in inches or 'picas' — a typographic measure equal to one sixth of an inch.

MARGIN

When you create a new page, you are given the opportunity to define margins from each side, this tool shows a dotted line which gives an indication of where your margin area is. This will not display the text inset of a box, though this is called a margin in the edit box panel.

MAGNIFY toggles between three levels of magnification of the page. None allows you to see all the document, to get a look at how it is going. Medium is useful to work in because it allows you to see some detail whilst maintaining a reasonable amount of the document to work on. Full magnification is mainly for fine work and aligning boxes etc.

QUICKTEXT allows the entry of a short text string directly into a box, without the necessity to go into the Text Editor part of the program, useful for headlines, picture captions etc. Just select a box, click on the quicktext icon, type your text and press Return.

PAINT defines a selected box as a picture box, and pastes the picture currently in memory into it. To get a picture into the Paste buffer you must enter the Graphics Editor and cut the image. Once pasted it remains in the buffer, so more than one of an image can be pasted into a document. PageSetter doesn't allow you to resize a graphic image on the page, it must be done in the Graphics Editor.

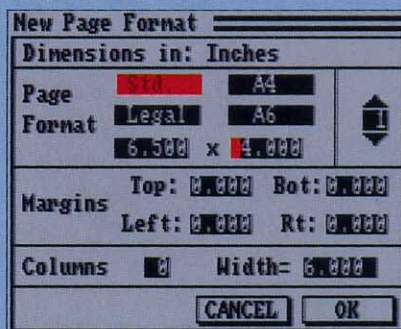
MOP clears a box of any of its contents, so it is effectively a delete, but the box remains intact. Before trashing the box's contents PageSetter asks for confirmation to prevent you accidentally destroying anything you didn't mean to.

NEXT BOX and **PREVIOUS BOX** move you through a chain of linked text boxes. When several text boxes have been linked together in a larger document it makes the 'proof-reading' stage much easier because it automatically moves the screen position to display the relevant area of the document. This avoids having to search around for the next text box, which is useful in documents with multiple pages.

NOW LET'S MAKE A PAGE

SO LET'S GIVE this thing a go shall we? If you follow the next few paragraphs you will learn how to put together a simple document with PageSetter. Let's make an inlay card for a cassette tape. I'll do one for the excellent SubPop200 CD, you can do one for anything you like. let's state right here and now that we in no way condone copyright infringement of any kind. If you want a record, go out and buy it! And that goes for computer software too.

The first thing that we do once we have loaded PageSetter is create a new page. To do this simply go to the CREATE option on the PAGE menu and release your right mouse button, you will be presented with a requester like the one below:



New Page Format

Dimensions in: Inches

Page: Std A4

Format: Legal A6

6.500 x 4.000

Margins: Top: 0.000 Bot: 0.000 Left: 0.000 Rt: 0.000

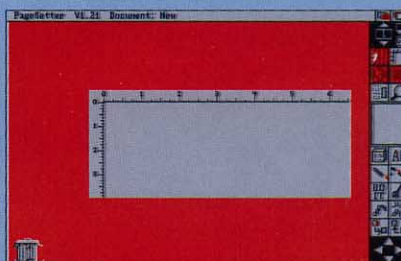
Columns: 2 Width: 6.000

CANCEL OK

The new page requester let's you put in vital data about your document right at the start.

Below the preset page-size options are the boxes to type in the size for a custom page, we need to type in 6.5 x 4 inches. On the right is a small box that controls how many pages are in your document, we only need one, but pressing the up arrow would increase the number and the down arrow would decrease it. Below is the box to define the page margins, this document doesn't need any, but some of your documents may. Below the margin entry box is one for columns, you just type in how many you want, and what size, and PageSetter will space them across your page automatically.

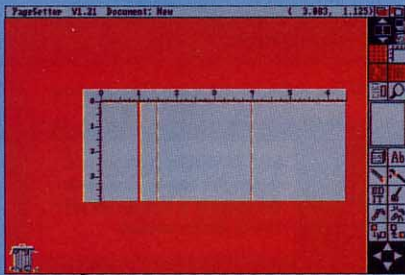
Once you have defined the size of your page, plus any margins and columns, click on OK. Now you can see your blank page, it should look something like this:



A blank grid will always look roughly like this, the size and shape will vary depending on what you want exactly.

Now we need to put some boxes on the page, ready to take our text and pictures. We need one box that is 1"x4", another that is 0.5"x4" and two that are 2.5"x4", if you click on the grid tool and set the grid size to 1/2" it will make it far easier to draw them the correct size. Try going to the ART BOARD menu and

selecting the GRID SPACING 1/2" option, now click on the snap-to-grid icon on the toolbar, this makes drawing the boxes simpler. Now your page should look like this:



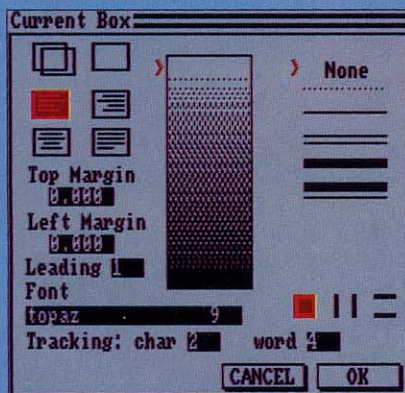
Every page element, whether it's text or graphics must go in a box, so it is important to start by putting some boxes on the page.

Now we have some boxes, we can concentrate on what we are going to put in them. Since this is a cassette insert, we need to put something on the spine to say what's on the cassette; a title of sorts. If you refer to the box at the bottom right you will see how I made a font to use on the spine. Now click on the second box, the one which is 0.5"x4", and then click on the quicktext icon; a requester box will appear.



Short one line strings of text can be easily entered without having to go into the Text Editor.

Into this box you can type the string of text you want to place in your box, but it cannot have any returns in it, because pressing Return activates the OK gadget on the requester and this will put the text you have typed so far onto your document. Type your title (mine is SUBPOP) in now, then click OK. Your title will now appear on the spine in the default face, whichever font is at the top of your fonts list. If you now go to the BOX menu and select the current option you will be presented with the following requester:



The current box requester allows you to edit many attributes of the currently selected box. The text in the box can be changed, along with its size and spacing. You can put a border on the box and change its background colour.

If you click on the line containing the word topaz you will be presented with a font menu, scrolling through with the arrows on the right-hand side lets you select your desired font. We need to select our custom font which I have called Sideways. Whenever a font reaches the selection line (when it's highlighted) a small

Continued overleaf

The Graphics Editor

The Graphics Editor is basically a little two colour (black-and-white) paint program, and as such will be fairly easy for you to get to grips with. The menu bar allows you to load and save picture files, as well as resize and flip clips from the current picture. Colour IFFs loaded from a paint package will be automatically dithered to produce a crude shading effect, but the real intention is for the Graphics Editor to be used for line drawings like the clip art included on your program disk. Load some of the clip art up and take a look. Here's a (very) brief look at the Graphics Editor toolbox:

<p>LINE DRAWING TOOLS: you can draw continuous, non-continuous or straight lines.</p>		<p>SPRAY CAN: produces an airbrush type effect.</p>
<p>RECTANGLE AND ELLIPSE: cannot be constrained to circle/square.</p>		<p>MAGNIFIER: creates a small moveable magnification window.</p>
<p>COLOUR: either black or white.</p>		<p>UNDO: undoes the last change to the current image.</p>
<p>FRAME: very important this one; defines the area to be flipped, resized etc. Also controls which area is clipped to the pasteboard to be carried to your document.</p>		<p>TEXT: allows a text string to be added to the picture.</p>
<p>BRUSH MENU: allows you to choose your brush size and shape.</p>		<p>PAINT BUCKET: flood fills an area with the current colour.</p>

The Text Editor

The text editor (TE) is a fairly well featured word processor that is geared primarily towards preparing text for on-screen formatting in a DTP program. You can either import text into the TE from a file saved by your word processor, or write documents directly in the TE. If you are importing files with embedded control codes, these may not convert, and could appear as text in your document.

The TE actually supports the file formats of:

Scribble!
TextCraft
TextCraft Plus
Kindwords
WordPerfect

but we found that *ProText 5* files imported as 'Generic' did not give us a problem.

Once you have imported or entered your text you can

move around it using the cursor keys (try using them in combination with the shift and control keys for enhanced effects) and the mouse.

Highlighting a block of text allows you to perform the operations in the block menu (Cut, Copy, Paste) on it to rearrange the order of your text.

Inserting the following commands in the text will produce these effects:

\b bold text \i italics \u underline
\o outline \s shadow \r reverse

all these commands are toggles, so once turns them on and the next time turns them off. All effects are turned off by '\n' which sets the text back to normal.

Once you are happy with your text file, quit the Text Editor and all the text in your current text file will be placed into the paste buffer ready to be pasted into your page using the write tool.

Text at Ninety Degrees

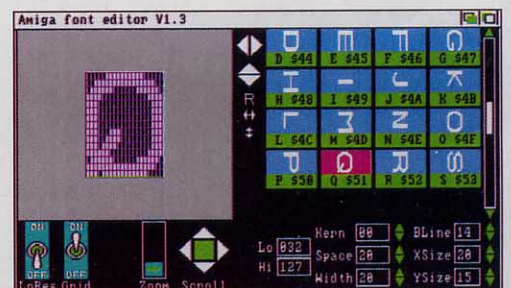
Being able to put text at an angle, especially 90 degrees, can be very useful, eg for putting titles on the spines of book jackets, record sleeves or even something like a cassette inlay card. *PageSetter* can't do this, but with a little ingenuity, you can!

Your Amiga comes complete with a little utility program called Fed, which stands for Font Editor. Using Fed you can edit Amiga fonts, or even create new ones from scratch. You may not have used this program very much, or even at all, but now you have *PageSetter* it's time to get it out and dust it down, because it will become indispensable to anyone who intends to use *PageSetter* more than a few times.

The secret to the 90 degrees text is to create yourself a new font, but rotate each letter through 90 degrees. So that when the font is used in *PageSetter* it can be read downwards, like a book spine. Then when you enter the text, put a return after each letter (yes this is fiddly, but you should only be using it for short amounts of text) and *voilà!* text reading downwards.

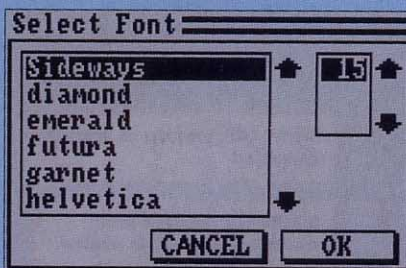
Fed is pretty easy to use, and you can find the full instructions in your Amiga manuals. But remember

that you will need to save the sideways font in the same Fonts directory that your *PageSetter* program is using. The *PageSetter* program disk is quite full, so you might want to copy some of the Clip Art files onto another disk, then delete them from the *PageSetter* disk to create room for more fonts.



If you want to use text at a 90 degree angle, or if you get bored with the few fonts that come with *PageSetter* (and they aren't very good), Fed can come to the rescue.

menu at the top right will show you all the sizes that the selected font is available in. Unlike many DTP packages, *PageSetter* can't resize text, so if you don't have a particular font (a certain typeface at a certain size), you will need to obtain or make a suitable one.



This requester, obtained through the Current Box edit option, allows you to choose which font you want to use.

Once the text is in the Sideways font, click on OK and your title will appear in the part of your document that will be the cassette spine. But as you can see it is not running down the spine the way we want it too. So while the spine box is selected click on the edit gadget in the main toolbox, this will take you into the Text Editor – where you can put a return between each letter. When you exit the text editor, your title will read correctly down the spine of your cassette. If you now use the CURRENT selection from the box menu, you will be able to change the position and justification of the type so that it is in the middle of the spine. Refer to the box above right if you have any difficulties with this.

It's now time to enter the main bit of our text, the track listing. Go to the department menu, and select Text Editor, this will take you into the word processor part of the program, and present you with an empty screen. Now all you have to do is type in the list of tracks on your cassette.



The text editor is where you enter most of your text for use in *PageSetter*.

The 'b' before the name of the group puts the text into bold, the 'n' reverts it back to normal. When you exit the text editor the text is automatically copied to the paste buffer, so once back in the document, simply click on the write tool, then on the right-hand box, and your text will be written into that box.

Again edit the box so that the text has an inset from the edges and check it is aligned as you want it. Now if you zoom in to take a closer look at your document you should see something that looks like this:

Editing the Current Box

Since every element of a page in *PageSetter* has to be placed in a box, they are very important to the overall look of your finished page. For this reason the 'Current Box' window is one you will, in time, become very familiar with. At first, though, it can be a little confusing, so let's try to make it a bit easier to understand:

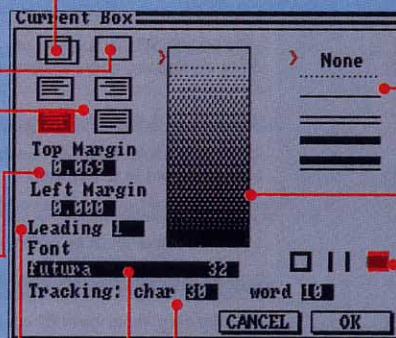
BOX TRANSPARENCY: if a box is transparent, the contents of other boxes below it are visible, even when they overlap.

BOX SHADOW: toggles a 'drop shadow' for the box.

TEXT ALIGNMENT: left, right, centred or justified text can be selected. The icons are self explanatory.

BOX MARGINS define how far from the sides of a box the text will appear. This is very important if the box has a border.

LEADING controls the space between lines of text. If the figure is '0' the text will be set 'solid', with no space.



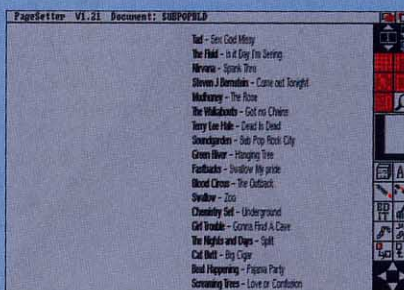
FONT: clicking on this line allows you to choose your typeface and size from those installed in your system.

TRACKING controls how much space is placed between letters and words when lines are being justified.

BOX BORDER: squares and rectangles can be drawn on the page in a number of different border styles.

BOX BACKGROUND can be set between 10 different shades of black and white. By using this it is possible to create typographic elements such as solid blocks of shade, or underlines for headlines.

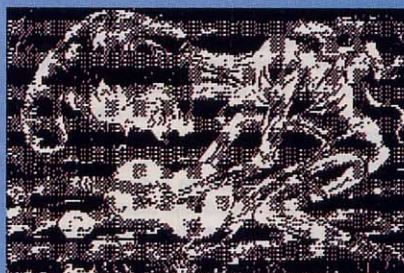
BORDER POSITION: controls whereabouts on a box the borders will appear. It is possible to create 'column rules' or 'paragraph rules' using this function.



Using the magnify icon lets you get a better look at your document.

Now we have most of our text sorted, but we need a title on the front of the sleeve. You should know the routine by now. Go into the Text Editor, type in the text, exit the Text Editor, write the text into the relevant box.

Once you have all your words where you want them, it's time to start thinking about pictures. *PageSetter* can read any IFF, and will dither colour images into shades, but this effect is far from ideal, take a look at this IFF which we imported from *DPaint*...



Colour pictures imported into the Graphics Editor leave a little to be desired.

Line drawings, however, work quite well, and the clip art on the disk will give you an idea of what types of image are best suited for use in *PageSetter*. To get your image from the

Graphics Editor into the document, you must frame it (see the Graphics Editor box on page 13) then clip it. Once you exit the Graphics Editor you use the paint tool to put your picture into a box.

Now your document should be almost complete, you can apply finishing touches like we have on the spine by simply drawing a box and editing it so that the background is black:



Once you have completed your document it's time to print it out.

So your document is complete. Before you print it you must select the correct printer driver from the preferences on the disk, just like on your Workbench disk. Now enter the Press Department from the menu bar, and follow the on-screen prompts, which will help you get a print-out of your document.

With enough practice you will soon be able to produce some far more sophisticated documents than the one that we just did. But if you find that you like the idea of DTP, yet can't get *PageSetter* to do precisely what you need, remember that it is a very basic program, and this magazine is done on a more advanced DTP package. If you need a more capable package why not check out Gold Disk's *Professional Page*; for the review turn straight to Page 118.

PGA TOUR® GOLF - NOW WITH 3 NEW KILLER COURSES TO SINK YOUR TEES INTO.



Perhaps you were getting just a touch too big for your brogues because you were up there with pros like Azinger and Stadler out at Avenel, Sawgrass, Sterling Shores and PGA West Stadium?

Instead of retiring smugly to the 19th Hole for a few rounds of Scotch, it's time for a brand new challenge in the shape of three new tournaments: The Honda Classic, The Phoenix Open and The Federal Express St. Jude Classic.

Electronic Arts present three more authentic PGA TOUR courses - TPC at Eagle Trace, TPC at Southwind and TPC at Scottsdale.

Plus, you get all the features that have made **PGA TOUR Golf** one of the best selling computer golf programs ever: fly-by

course previews, hints from the pros, TV-style coverage and realistic crowd reactions that reflect your best shots.... and biggest duffs.

So don't putt around. Get your clubs out and prepare for three new 18-hole challenges.

You can find them in the new **PGA TOUR GOLF PLUS** edition, which also contains the PGA TOUR Golf program and the four original courses.

Or, if you already own the original PGA TOUR Golf program, find the three new courses in the **PGA TOUR Golf Tournament Course Disk**.

PGA TOUR GOLF PLUS Edition

Amiga £29.99 IBM/PC £34.99

PGA TOUR GOLF Tournament Course Disk

Amiga £14.99 IBM/PC £14.99



TPC, Tournament Players Club, The Honda Classic, The Phoenix Open, The Federal Express St. Jude Classic, and the PGA TOUR and their affiliated logos are registered trademarks.

ELECTRONIC ARTS

Electronic Arts, Langley Business Centre, 11-49 Station Road, Langley, Berks SL3 8YN,
Tel: 0753 549442, Fax: 0753 546672

New Amiga 600 all set

AMIGA FORMAT

18

MAY 1991



The A600. A brave new move, or is it just a Sega and Nintendo beater?

THE NEW AMIGA, labelled the 600, is the logical successor to the A500 for gamers. Briefly, it's like a cut-down A500 with the edge connector replaced by a slot for credit-card sized ROM cards and it features a built-in TV modulator.

The first chance to see the new machine will be when it is officially launched to the public at the Amiga Shopper Show, Wembley, next month (see Page 20 for full details). It will go on sale in May. However, it was first shown to a select group of UK developers behind closed doors in early March, and it was seen at the German CeBit show later last month and has already been launched officially in other European countries.

While rumour and speculation have been rife about the new machine for some time, **Amiga Format** has full details of the Amiga 600 from an official Commodore source. The only thing that remains to be seen is not the hardware specification of the machine, but what Commodore UK will do with it in the way of putting together a bundle to follow the highly successful A500 Cartoon Classics pack.

Pricing, however, is already confirmed. An article in computer industry magazine *Computer Trade Weekly* reports that the Amiga 600 will sell for £399 (same base price as the Cartoon Classics) which will no doubt be a bundle price with software included. Perhaps more interestingly still, there will also be a

version available with an internal 20Mb hard disk included, which CTW reports will sell for £499.

NEW LOOK

The Amiga 600 is actually quite a radical redesign. While the case styling remains pretty similar, the removal of the numeric keypad means that the keyboard itself is reduced in length considerably.

New technology is reflected by a decrease in the overall size of the motherboard inside the machine. The cut-down Amiga 600 is just 36cm wide and 24cm deep, and it seems likely that Commodore will encourage users to see the benefits of the new machine's 'semi-portability'.

The main styling difference is that when you look from the side, the machine has a wedge-shaped profile, taller at the back and lower at the front. This has no doubt allowed a small, but significant, increase in the capacity for internal expansion, giving room for the built-in TV modulator, the ROM card socket and the possibility of an internal hard drive.

The joystick ports have been moved to the right-hand side of the machine, as the illustration shows, alongside the disk drive. Anyone who has ever scrambled around to plug in a joystick or mouse will no doubt appreciate the sense in this.

Apart from lacking the joystick ports, the back of the machine remains pretty much unchanged, with

serial and parallel ports, disk drive port, stereo sound phono plugs, RGB monitor connector and power socket as before. The big difference is the addition of dual plugs for a full-colour composite video output, and a plug for an RF signal (ordinary stuff for your TV or video) from the internal TV modulator.

WHAT'S INSIDE

The very latest version of the operating system, Workbench 2.05, will be provided on disk and a Workbench 2 512K ROM chip is fitted in the machine. The main processor is an ordinary 68000 running at the standard Amiga clock speed of 7.14MHz, confounding rumours that a new, faster processor may be included.

The new Amiga also shares the same Denise chip as the A500 Plus (serial number 8373), so it will have access to the new Enhanced Chip Set screen modes, and the same "super-fat" Agnus chip (serial number 8375), which means that all RAM up to 2Mb will be Chip memory. Chip RAM is directly accessible by the custom chips without consulting the main CPU and is needed for advanced animation and sound effects.

Although it is possible to mount just 512K of RAM, it is believed that the standard base model in the UK will be a 1Mb machine. This can be expanded to 2Mb with the addition of an A601 1Mb expansion card. The one major limitation with the new machine appears to be that that's where it ends: 2Mb of memory will be the maximum expansion.

BIG CHANGES

The reason for the limit on memory expansion is apparent when you look at the major new features of this new machine. The action centres around the left-hand side of the Amiga 600.

The edge connector, under its flip-up cover, has gone. It is replaced by a smaller IDE connector hidden inside the machine: sufficient to attach an internal hard drive, but not for an awful lot else.

The IDE connector is an unusual step, but if you grant the assumption that the only need for an edge connector is for a hard drive, it makes sense. The majority of hard drive units available in mass and cheaply on the market nowadays are, indeed, miniature IDE units as manufactured for use in portable PCs.

for launch!

The brand-new gamesplayer's Amiga will go on sale in May and includes at least two exciting new features. Damien Noonan is first with the news...

Plenty of third-party Amiga hardware developers have been thinking of incorporating these tiny, economical units into their drives, and it makes absolute sense for Commodore to do so. On the down side, however, it severely limits the Amiga's expandability, putting that 2Mb cap on RAM expansion.

Perhaps more importantly, it means that the Amiga 600 will not be compatible with the soon-to-be-released A570 Amiga CD-ROM drive. This splits the A500/A600 market cleanly down the middle and suggests that Commodore will continue to make and sell the A500 Plus. It also makes it completely apparent why the A570 was renamed with a 500-series tag (it was originally to be called the A690).

NEW VENTURE

Perhaps the biggest development yet for the Amiga is a brave step into the world of console games. Replacing the edge connector on the left-hand side of the Amiga 600 is a brand-new slot with a brand-new purpose: a connector into which ROM cards will plug.

ROM cards are small plastic cards which contain a ROM chip with software "hard-wired" onto it: they are very similar in concept to the cartridges on which console games come. The card interface uses a standard format already developed for use elsewhere (known as PCMCIA/IEDA - don't ask what it means!) and are in use on PC-compatibles, where cards are in use containing anything from 16K to 4Mb of data.

ROM cards are now a realistic price to manufacture and have the advantage of being almost impossible to pirate. It's possible that software could be provided entirely on card, or equally possible that a card could be used as a 'lock' for software. Either way, home copying could become a thing of the past, which software developers would relish.

A final change to the hardware specifications of the machine is that the Gary chip, which handles input devices, is now replaced by a new chip called Gayle to account for the new ROM card input device.

SO WHAT?

Clearly the Amiga can't stand still in a competitive, technology-led market: but is this new Amiga a step in the right direction? Well, it certainly seems that way.

Given the fact that the A500 was never really the home games machine it pretended to be, it makes sense. An Amiga, still a 'real' computer, is going to retain its appeal and the limit of expansion to 2Mb plus an internal hard drive is not going to be an enormous problem. To the average Cartoon Classics buyer, it might as well be the same machine.

The major problem for the consumer is going to be choosing whether or not to go for a CD-compatible machine. If the A600 is to take over as the standard entry-level gamesplayer's machine, it seems Commodore's crusade to get CD-ROM accepted is going to suffer. Buying the standard entry-level Amiga and being able to choose later is one thing; deciding at the time whether you are later going to spend £300 on CD hardware and deciding accordingly is a whole different thing.

But above all, the main importance of the new Amiga is to software developers. Software houses are making pots of money out of developing games on cartridge for the games consoles, simply because they know that most people who have a copy of the game will have paid the full price for it, not copied it off a mate. If they got such a whim into their heads, these people could kill off the Amiga at a stroke, simply by ceasing to develop games for it.

The new Amiga 600 is no great step forward for the Amiga. But it could be the move that assures its survival: and that has to be a good thing for all of us.

THE AMIGA 600 AND COMPATIBILITY

When the A500 Plus was launched, there was a maelstrom of problems with software and hardware not working on the new machine. Will this happen again? Well, here's what problems you can expect to encounter...

HARDWARE

WILL WORK: monitors, printers, samplers, digitisers, disk drives, modems, joysticks, mice and anything else that plugs in to the ports and sockets at the back of the machine. There's no change here at all.

WON'T WORK: since there is no longer an expansion connector on the side of the machine, nothing that plugs into that will work: hard drives and RAM expansions being the most notable victims. Also, it seems likely that with the new motherboard and size, the trapdoor expansion slot will be different, so current A500 memory cards, PC Emulators and the like will not work. Also faster processors are likely to be completely out of the window.

PROGNOSIS: as well as the official Commodore 20 Mb internal drive, it seems likely that other third-party manufacturers will produce larger configurations of hard drive, up to 105 Mb. Fitting these yourself will invalidate your warranty: power supply could be a problem. No doubt third party firms will also produce alternatives to the official A601 RAM expansion. Possibly new versions of PC emulator cards will emerge, but this is less likely.

SOFTWARE

WILL WORK: anything that runs on a 500 Plus and doesn't make use of the numeric keypad.

WON'T WORK: since there is no numeric keypad, anything that wants to use it is going to hit problems. Flight sims, with their heavy use of the keyboard, are particularly likely to be affected along with any serious software. Most serious software should still be runnable: *Deluxe Paint*, for instance, has different keyboard shortcuts for the keyboard's number keys and those on the numeric keypad, but otherwise we would expect it to run unaffected. Also, anything that won't work on a 500 Plus because it is incompatible with Workbench 2 or because it doesn't work in Chip RAM will also not work on the Amiga 600.

PROGNOSIS: Commodore are going to have to be very careful to ensure A600-compatibility of key serious products like *Deluxe Paint*, or the A600 would just be an expensive games console. Games currently in development may have to be tweaked and new ones should take account of the lost keypad. Apart from that, the 500 Plus should have already fought all the battles.



Hard drives, like this Roctec model, will not be able to be used with the A600...



...instead there will be a move to internal expansions like this Novia hard drive.



Most games software should run OK on the 600, but *MiG 29* uses the numeric keypad so there will be problems.

Amiga Shopper Show will see A600, A570 launch

The big Amiga show this spring looks set to be a god one for all kinds of Amiga owners as the line-up gets better and better, Gary Lord reveals.

This Spring's only Amiga-only show is looking more and more like the top event of the year, with the public launch of both the Amiga 600 and the A570 Amiga CD-ROM drive, as well as an enormous number of other exciting events lined up.

Commodore are the second largest exhibitor and will be demonstrating both their new products to the public at the show for the first time anywhere in the UK. The largest exhibitor will be Future Publishing, the company behind **Amiga Format** and sister magazines *Amiga Shopper* and *Amiga Power*: all three magazines will be on hand to contribute to the event.

The line-up of exhibitors is growing constantly from a strong base, and now includes many of the most important Amiga hardware and software developers around today. We've just heard, for example, that major American software producers Oxxi-Aegis will be joining the starting line-up. Beyond that, however, there are also going to be all sorts of events lined up, ranging from lectures on the use of specific programs to games competitions and a chance to explore the latest Virtual Reality entertainment systems.

The Amiga Shopper Show is the only Amiga-dedicated show this spring and takes place at Wembley Exhibition Centre on Thursday-Sunday May 15-17. Here's just a brief run-through of the sights you can expect to see there...



The Amiga Shopper is where it's all going to be happening: exciting launches, big new serious products and a games arcade!

MARKET DAY

Printer manufacturer Citizen, who have committed themselves to the Amiga in a big way with the launch of a new printer driver, will be joining established top names in Amiga hardware such as Supra from the States, Gasteiner in from Germany, and UK hardware specialists like Ashcom, Cortex and WTS. It is expected that Americans GVP will be showing a whole new range of more-power-for-the-price hard drives in new, larger sizes, while Bitcon will be demonstrating the new versions of their Power PC emulator card.

Power Computing will have a new range of hardware on display, Golden Image and Progressive Peripherals will be showing off their goodies, while

Scottish digitiser masters Rombo will be parading their new *Take 2* animation system (reviewed last issue). Checkmate Digital will be able to show you their A500-recase Tower system in its full glory, as well as their high-value True Colour cards. UK serious software producers HiSoft and Digita will be making an ever-popular appearance along with a massive attack from music distributors Zone.

FUN OF THE FAIR

The *Amiga Power* Games Arcade will feature the latest games from top software houses like US Gold, Virgin, MicroProse, Psygnosis, Ocean and Electronic Arts, free to play. You'll also be able to win prizes for high scores as well as taking on the programmers who created the games and the reviewers who play them for a living on the magazines. There's a challenge: beat them and they'll look pretty silly!

Pushing the bounds of entertainment back even further, you'll be able to take a trip in the Super X simulator or explore the wild world of Virtual Reality on one of two of the newest VR systems in existence.

The more seriously inclined might wish to venture to the theatre, where there will be sessions from top experts giving advice on *Deluxe Paint* and *AMOS*. The theatre will also be the centre for debates with top industry figures as well as question-and-answer seminars featuring the *Amiga Shopper* team and the editors of the Amiga magazines.

In a more informal environment, the members of various magazine teams will be taking questions on the Future Publishing stand, so look out for the details of the events on the day.

BE THERE!

Remembering the fun we had at the World of Commodore Show last year, this is an event not to be missed and we look forward to seeing you! It's May 15-17 at the Wembley Exhibition Centre: admission on the day costs £6 for adults and £4 for children, but you can save a quid by buying a ticket in advance: see the ads in this magazine or phone 051-356 5085.

Price of CD-ROM drive set?



And finally a price is set for the A570. But with the release of the 600 are tricky times ahead?

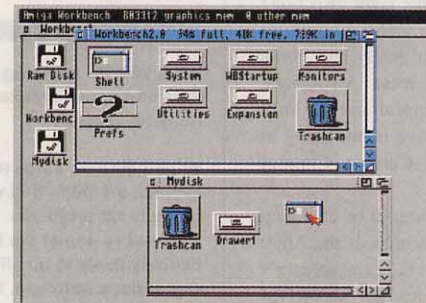
which Commodore carried out with **Amiga Format** last year, would indicate a very good uptake from current Amiga owners.

Doubts have, however, been voiced about the future of the A570. It seems that to use the CDTV titles currently available, any Amiga paired with an A570 would have to be upgraded to 1Mb of Chip memory. One CD developer that we spoke to suggested that this had decimated the potential market at a stroke, even though it looks likely that Commodore will arrange to offer the complex hardware modification at a reasonable price through their dealers.

If the launch of the A600 means that the Amiga 500 Plus' days are numbered, that certainly suggests a tricky time ahead for the A570. One possible move would be for Commodore to come up with an Amiga 500/570 pack as an integral idea. On this topic, only time will tell...

It now looks almost certain that the A570 CD-ROM drive for the Amiga 500 will go on sale in May and will cost £269. Although Commodore were hoping to push the price as near to £200 as possible, the pricepoint would seem to be a pretty reasonable one for a unique product and, according to research

Workbench 2 upgrade goes on sale



A500 owners will now be able to move up to the grey with the new look Workbench.

After several months of confusion, we have now had confirmation that the upgrade kit to convert your older Amiga to Workbench 2 is now available. Commodore have seemed reluctant to let this fact become common knowledge, though they would like to encourage users to upgrade via the official channels, by using an authorised Amiga repairer.

The upgrade kit consists of the Kickstart 2 ROM, the three Workbench 2.04 disks (Workbench, Extras and Fonts), the Workbench 2 manuals and installation instructions. It costs £79.95 and can be obtained from Silica, although the last we heard it was only available in small numbers and was already out of stock. The only tricky bit of fitting it involves removing the old ROM and replacing it with the new one, which does involve some care and will invalidate your warranty if it is still valid. You can have the upgrade made by official Commodore repair centre FMG, who will charge £20 for the job plus £7.50 for carriage.

What the upgrade kit might also have been expected to include would be the new Denise and Agnus chips, giving access to the new screen modes and 2Mb of Chip RAM respectively, but it doesn't. Some non-Plus A500s have a useable Agnus, but many don't.

All in all, with the cost of the upgrade coming in at a frankly rather high price, the decision on whether or not to upgrade has to be a pretty tricky one. While Workbench 2 is a much improved working environment for serious Amiga users, it doesn't really allow you to do anything you couldn't otherwise have done. Is it worth paying out all that money just for a

POWER COMPUTING

Power Scanner v2.0



Features

100-400 DPI scanning resolutions
64 Greyscales
Thru'port for printer

Software

Full screen image editor
Interlace mode on/off
Edit true greyscale & colour images
Fully multi-tasking

Editing

Cut rectangle, cut lasso, crop, flip,
rotate, scale, draw, lines, circles,
boxes ellipses, freehand, zoom mode

Scanning

Unique 'True feel' real time scan
mode - Know instantly if you are
scanning the image too quickly
Automatic selection of 100-400 DPI
Produce true greyscale images



Actual Amiga Screen Shots

£99 inc. VAT **£239** inc. VAT
GREYSCALE C O L O U R

Name

Address

Postcode

Telephone No.

System owned

PC880B Power Drive



£69.95

Viruses, diskswapping, clicking drives,
disks which won't back up. Is there no
end to the whingeing of the Amiga
user?

At Power, we want to tell you just
where you can stick your disks and
worries. In fact we will show you. The
slot in this picture belongs to our
PC880B, the first intelligent disk
drive. Insert a disk.

Now you can back up at lightning
speeds using the inbuilt Blitz Amiga
hardware*, with free software, (even
if the disk is Atari or PC) and if your
computer has a virus the PC880B will
stop it being written to the bootblock
of any of your drives, though you can
still save files as normal.

When you do not want these features,
switch them off and the PC880B will
sit quietly, without clicking,
pretending to be simply an extra drive.

The PC880B, the only drive to
introduce Blitz Amiga, the Power
anti-click device and to combat
viruses, is only available direct from
Power, priced at just **£69.95**

We have noticed how pricey unintell-
igent drives are. Perhaps, it's your
turn to tell people where to stick it.

* Due to the precision nature of the Blitz copier high
density disks may be required with some internal
drives.

Description

Credit card No.

Expiry date

Dual Drive



£125

Our latest dual drive uses the slimline,
ultra low power NEC drive
mechanism. This drive takes less than
half the power of a normal floppy
drive. The new dual drive includes all
the features you would expect from a
Power Computing Drive.

The NEC drive mechanism is able to
access high density 1.44MB disks.
While this may not be of use to you at
the moment (the Amiga can only
access 880K), watch this space for our
new 'high density' Interface, on the
market soon!

Whisper quiet operation

Blitz Copier built-in (switchable)

Virus blocker built-in (switchable)

Anti-click

PSU included

New Products

Released or available soon
8MB board with thru'port
1.44MB interface
1.44MB disk drive
Scanner software upgrade
PC880B with X-Copy
Power Scanner v2.0

I enclose a cheque/postal order for
£

Signature

Make cheques payable to Power Computing Ltd

Power Computing Ltd
Unit 8 Railton Road
Woburn Road Industrial Estate
Kempston Bedford MK42 7PN
Ring your credit card order through
on **0234 843388** or fax your order on
0234 840234

All prices include VAT, delivery and are subject to change. Specifications are subject to change without notice. Next day delivery £4.50 (U.K. mainland only), all trademarks acknowledged.

Power Computing SRL Italy, Via Delle Baleari. 90, 00121 Ostia Lido, Roma
Tel (06) 5646310 (2 lines) Fax 5646301

Power Computing France, 15 Bld Voltaire 75011, Paris France
Tel (1) 43570169 (6 lines) Fax (1) 43380435

Power Computing U.S.A., 21 South 5th Street, Suite 900, Philadelphia, PA 19106
Tel 215 922 0050 Fax 215 922 0116

Wordworth

a writer's dream

v1.1

The graphical nature of Wordworth® makes producing documents faster and easier. The WYSIWYG display shows exactly how your printed document will look, different fonts, styles and sizes, headers and footers, graphics and so on.

Commands are grouped under a series of pull-down menus, accessible either by the mouse or keyboard. Frequently used commands have on-screen icons, including Help, should you need it.

Experience the look and feel of the new and exciting WB2 (even if you use WB1.3). Each document is a separate multi-tasking window, which means you could for example, print one document while editing another.

Digita's® innovative *Human Interface Protocol*™ is incorporated setting a new standard in speed, style and elegance. "It *HIP*™ system is intuitive and a pleasure to use." – thank you Amiga Shopper, it's nice to be appreciated.

Graphics have always been the Amiga's strong point. Now it's better than ever. Pictures from Deluxe Paint can be placed in a document, and then sized, scaled and dragged (text automatically reformat around the image).

Wordworth's enhanced fonts will give you the very best printed quality. You can also print special symbols, such as boxes, arrows and so on. Better still, you can mix graphics, Wordworth's enhanced fonts, Amiga fonts, Colorfonts and your printer's own internal fonts, all on the same page. There's even a driver for Postscript printers.

You needn't worry about your existing information – Wordworth will let you open documents from most word processors, including Kindwords, Protex and Wordperfect (you can also mailmerge with Superbase).

When Amiga Format said "a new word processor that will give the rest of the world a run for its money" they weren't joking.

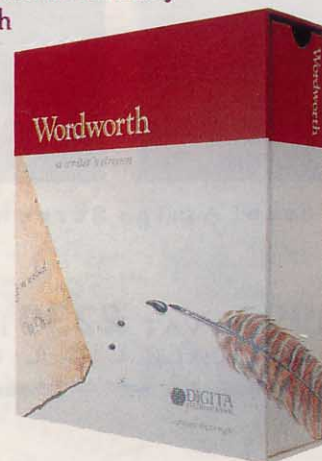
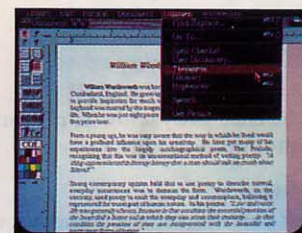
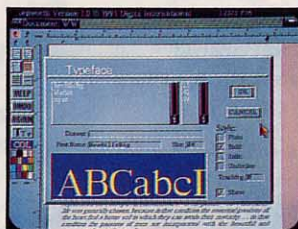
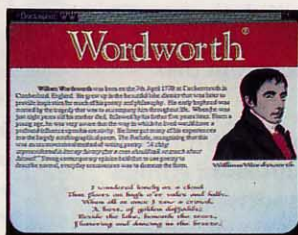
Wordworth is written in the UK by Digita. Which means you'll be using an English Collins spelling checker and thesaurus, and you'll know where to come for professional support.

The only way to really appreciate Wordworth is to use it. Phone 0395 270273 for more information or, write to Digita, FREEPOST, Exmouth EX8 2YZ.

Wordworth costs £129.99, which includes VAT, postage and packing; and when purchased from Digita, comes with a 7 day money-back guarantee.

If you already own a word processor, for a limited period only, you can trade-up for just £89.99 by returning your original disks to Digita with your order.

Summing up, Amiga Shopper said: "Pounds-per-feature no other Amiga word processor comes close. Wordworth is what every owner of Kindwords would wish they had." Dreams become reality with Wordworth.



Machine support
Written specifically for the Amiga
Fully supports WB V1.3 and V2.00
All medium or high resolution modes
(mono and colour)
Requires 1MB of memory

DIGITA®
INTERNATIONAL

software that's right™

Wordworth is available from John Menzies, Virgin, W H Smith and all good computer retailers or to the trade through Columbus, Gem, HB Marketing, IBD, Lazer, Leisuresoft, Precision and SDL.

Digita International Ltd Black Horse House Exmouth EX8 1JL ENGLAND Tel 0395 270273 Fax 0395 268893

– A member of the Digita group –
Digita, the Digita logo, Wordworth and the Wordworth logo are registered trademarks, and *HIP*, *Human Interface Protocol* and *software that's right* are trademarks of Digita Holdings Ltd.
All other trademarks and their owners are acknowledged. Sold subject to standard conditions of sale E & OE.

AMIGA ***SHOPPER*** **SHOW**

WEMBLEY EXHIBITION CENTRE • MAY 15 - 17

**It'll save you
serious money**

**YOUR LAST CHANCE
TO SAVE ££££s!**

Be the first to see

GETTING THERE

BY BUS : Numbers 83, 92 and 182 come to Wembley Arena. 18 comes to the Triangle (5 minutes walk). 297 (alight at Wembley Park Station) and 245 (alight at Bridge Road) serve the complex.

BY TUBE : To Wembley Park by Metropolitan or Jubilee line. To Wembley Central by Bakerloo line (peak hours).

BY TRAIN : To Wembley Central from Euston or Broad Street. To Wembley Stadium from Marleybone.



OPENING HOURS

9am - 5.30pm Friday May 15

9am - 5.30pm Saturday May 16

9am - 4.00pm Sunday May 17



YOU CAN'T AFFORD TO MISS IT!

Book your tickets now and save even more money with our special early booking discount. Instead of £6 you pay £4.95 - or £2.95 for under 14s. Return the form straight way to guarantee your show ticket.

YES! I would like to order advance tickets to the Amiga Shopper Show and save £1.05 a ticket.

Please send me ____ adult tickets at the special discount price of £4.95.

Please send me ____ under-14 tickets at the special discount price of £2.95.

Total payment: £

Method of payment (please circle) Access/Mastercard Visa Cheque PO

Credit card number _____ Expiry date _____

Please make all cheques payable to AMIGA SHOPPER SHOW

Name

Address

Postcode..... AF05

Send this form to: AMIGA SHOPPER SHOW, PO Box 2, Ellesmere Port, South Wirral, L65 3EA
This offer closes on May 8th.

DATA PROTECTION ACT: The information on this form will be held on computer for the use of Future Publishing and its subcontractors.

Credit card *hotline*

the new Amiga!

STEP INTO
ANOTHER WORLD!

A brand new Amiga will be unveiled on May 15 at the **Amiga Shopper Show** – be there and you could be among the first to see it! Commodore has chosen the prestigious Amiga Shopper Show to launch the A600 "Amiga for the Nineties". And it'll be showing the revolutionary A570 CD-ROM drive too.

As well as the new machines there will be an amazing amount to see and do at the show:

- Take part in seminars on topics from games programming to Deluxe Paint and AMOS to video, featuring feature some of Britain's top experts.
- The Amiga Shopper Panel will be there to answer your questions, so if you want our advice, be there!
- Explore a completely computer generated universe with Virtual Reality.
- The Amiga Shopper, Amiga Format and Amiga Power teams will be on hand to offer hear your opinions on the magazines.
- For games players prizes will be on offer in the **Amiga Power Arcade**. All you have to do is get the day's highest scores on the latest releases from from Electronic Arts,

Ocean, MicroProse, Psygnosis, US Gold, and Virgin.

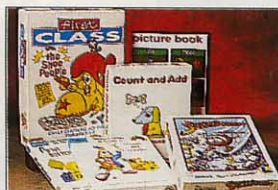
It's a great day out for all Amiga owners, and that's before you even consider the what the 90 exhibitors from both sides of the Atlantic have to offer!



On the hardware side, you'll be able to check out devices from Supra, GVP, Gasteiner, Power Computing, Rombo, Progressive Peripherals and many others. Software publishers such as Precision, Digita and HiSoft will also be to the fore. And, of course, dozens of stands will be offering incredible deals you won't find anywhere else.

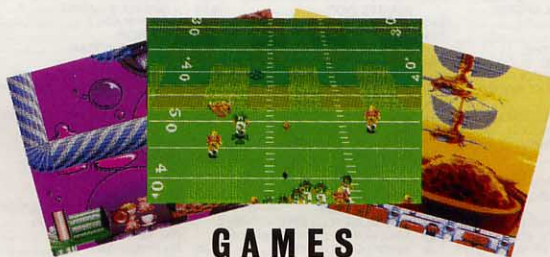
Exciting launches. Fascinating seminars. Thrilling games. Incredible bargains. The Amiga Shopper Show an event you can't afford to miss!

It's being held at the Wembley Exhibition Centre in London from Friday May 15 to Sunday May 17. If you move fast and use the form opposite you can guarantee your ticket, save more than a pound and have a full show guide posted to you before the event. But hurry!



SOFTWARE

See the latest products from the likes of Digita, HiSoft and Precision. Test them out for your self, then pick the one you want...



GAMES

The Amiga Power games arcade will feature only the latest and best games – and you'll have the chance to play them yourself.



HARDWARE

Powerful hardware which will transform you Amiga will be on display and on sale, including devices from Supra, GVP, Gasteiner and more...

BOOK NOW • OFFER CLOSSES MAY 8TH

051-356 5085



Amiga Software --- Games marked (NOP) will not work on the AMIGA A500 PLUS.

Latest Amigas include Kickstart 2 and have 1 meg RAM built in. Games marked (NOP) are not compatible with the new A500 PLUS machines.

2 HOT 2 HANDLE (OFF ROAD RACER, TOTAL RECAL, SHADOW WARRIOR)	19.49	CYBERCON 3 (NOP)	17.49	HILL STREET BLUES	15.49	MONSTER PACK 2	10.99	SIM CITY TERRAIN EDITOR	10.99
3D CONSTRUCTION KIT	32.99	DEATH KNIGHTS OF KRYNN (1 MEG) (SSI)	19.99	HITCH HIKERS GUIDE	7.99	AWESOME, BEAST 2	16.99	8088 ATTACK SUB, INDY 500, F18 INTERCEPTOR	21.99
3D POOL	7.99	DEFENDER OF THE CROWN	9.99	HOLLYWOOD COLLECTION (ROBOCOP, GHOSTBUSTERS 2, INDIANA JONES, BATMAN THE MOVIE) D/S	9.99	FLYING CIRCUS	6.49	SINBAD	7.99
4 WHEEL DRIVE (LOTUS ESPRIT TURBO, TEAM SUZUKI, TOYOTA CELICA, COMBO RACER)	19.49	DELUXE MUSIC CONSTRUCTION SET	49.99	HOME ACCOUNTS 2	39.99	MOONSHINE RACERS	16.99	SKYFOX (NOP)	3.99
4D SPORTS BOXING	16.99	DELUXE PAINT 4 (1 MEG)	29.99	HOME ALONE	16.49	MOONSTONE	19.49	SMASH TV	16.99
4D SPORTS DRIVING	16.99	DELUXE PAINT 4 (1 MEG)	29.99	HUNTER	19.49	MYSTICAL D/S	2.99	SPACE HARRIER 2 (NOP)	3.99
A10 TANK KILLER (1 MEG)	22.49	DEUTEROS (NOP)	16.99	HYBRIS	2.99	NEBULUS 2	16.99	SPACE QUEST 4 (1 MEG)	25.49
A320 AIR-BUS	20.49	DEVPAK V.2 (ASSEMBLER)	54.99	IAN BOTHAMS CRICKET	19.49	NEVER MIND	3.99	SPECIAL FORCES	22.49
ACTION MASTERS	16.99	DISNEY ANIMATION STUDIO	64.99	IK+	7.99	NITRO	7.99	SPEEDBALL	7.99
F16 COMBAT PILOT, ITALY 1990, DOUBLE DRAGON 2, TURBO OUTRUN, WELLTRIS)	18.99	DOUBLE DOUBLE BILL (NOP)	22.99	INDIANA JONES ADVENTURE	8.99	OPERATION WOLF	7.99	SPELLBOUND	5.99
ADDD DUNGEON MASTER	7.99	DOUBLE DRAGON 3	16.99	INDY HEAT	16.99	ORK	16.99	SPOT	13.49
ASSIST VOL2 (SSI)	7.99	DRAGON BREED	7.99	INTERCEPTER - RENEGADE	7.99	OUTRUN EUROPA (NOP)	16.99	STEVE DAVIS SNOOKER	7.99
ADVANTAGE TENNIS	16.99	DRAGON WARS	17.49	LEGION (SSI)	6.99	PAPERBOY 2	16.99	SUPER CARS (GBH)	6.99
AFTERBURNER	7.99	DYNASTY WARS (NOP)	2.99	INTERNATIONAL CHAMPIONSHIP	15.49	PGA TOUR GOLF + COURSES	19.49	SUPER CARS 2 (NOP)	16.49
AGONY	16.99	E-MOTION	2.99	ATHLETICS	15.49	PIRATES (NOP)	10.99	SUPER HANG ON	7.99
AIR SEA SUPREMACY	16.99	ELF	16.49	INTERNATIONAL SPORTS	19.49	PLAYER MANAGER	7.99	SUPER LEAGUE MANAGER	15.99
GUNSHIP, SILENT SERVICE, P47, WINGS, CARRIER COMMAND)	19.99	ELVIRA 2 - JAWS OF CERBERUS (1 MEG)	22.99	INTERPHASE	2.99	POWERMONGER D/S	19.49	SUPER SPACE INVADERS	16.49
AIR SUPPORT	16.99	EPIC	16.99	IT CAME FROM THE DESERT (1 MEG)	9.99	POWERMONGER D/S	19.49	SUPREMACY	19.49
ALIEN BREED (1 MEG)	16.49	EXILE	16.99	DESERT (1 MEG)	9.99	POOLS OF DARKNESS (1 MEG)	16.99	SUSPICIOUS CARO	16.99
ALIEN STORM	16.99	EYE OF THE BEHOLDER (1 MEG)	19.99	DESK NICKLAUS GOLF	6.99	POPULOUS & SIM CITY	19.99	SWITCHBLADE 2	16.99
AMNIO	16.99	F19 STEALTH FIGHTER	12.99	JACK NICKLAUS GOLF	6.99	POPULOUS 2	19.99	SWIV (NOP)	9.99
AMOS (GAMES CREATOR)	32.99	F16 FALCON (NOP)	11.99	JAMES POND 2 - ROBOCOP	16.99	POWERMONGER DATA	11.99	SWORD OF SODAN	5.99
AMOS 3D (NEEDS AMOS)	22.99	F16 FALCON 4 - MISSIONS	18.99	JET SET WILLY	8.99	DISK 1 - WW1 D/S	11.99	T.N.T.	7.99
AMOS COMPILER (NEEDS AMOS)	19.99	F20 RETALIATOR	16.99	JIMMY WHITES SNOOKER	13.99	POWERWORKS	11.99	(HYDRA, SKULL & CROSSBONE, BADLANDS, STUN RUNNER, HARD DRIVIN 2)	16.49
ANOTHER WORLD	16.99	F20 RETALIATOR	16.99	JINXTER (M/SCROLLS)	3.99	POWERWORKS	11.99	TEENAGE QUEEN	7.99
ARKANOID 2	7.99	F20 RETALIATOR	16.99	JOHN MADDENS (U.S.)	17.49	POWERMONGER D/S	19.49	STRIP POKER (NOP)	7.99
ARMALYTE	7.99	F20 RETALIATOR	16.99	FOOTBALL	17.49	POWERMONGER DATA	11.99	TERMINATOR 2	16.99
ARMOUR-GEDDON	16.99	F20 RETALIATOR	16.99	FOOTBALL DREDD	6.99	DISK 1 - WW1 D/S	11.99	TETRIS	13.99
AWESOME WITH SHIRT	14.99	F20 RETALIATOR	16.99	KICK OFF + EXTRA TIME DISK	4.49	POWERMONGER DATA	11.99	T.I.E. GAMES - SUMMER EDITION	6.99
BAAL	6.99	F20 RETALIATOR	16.99	KICK OFF 2 D/S	8.99	POWERMONGER DATA	11.99	THE GODFATHER (1 MEG)	19.99
BARBARIAN 2 (PSYGNOSIS)	17.49	F20 RETALIATOR	16.99	K.O. 2 FINAL WHISTLE D/S	7.99	POWERMONGER DATA	11.99	THE SIMPSONS	16.99
BARON TRILLOGY	16.99	F20 RETALIATOR	16.99	K.O. 2 GIANTS OF EUROPE D/S	7.99	POWERMONGER DATA	11.99	THUNDERHAWK	9.99
BATTLE COMMAND	15.99	F20 RETALIATOR	16.99	K.O. 2 RETURN TO EUROPE D/S	7.99	POWERMONGER DATA	11.99	TIP OFF	15.99
BATTLE ISLE (NOP)	19.99	F20 RETALIATOR	16.99	K.O. 2 TACTICS D/S	7.99	POWERMONGER DATA	11.99	TOKI	16.99
BATTLE OF BRITAIN D/S	19.99	F20 RETALIATOR	16.99	KID GLOVES 2	16.99	POWERMONGER DATA	11.99	TOYOTA CELICA GT RALLY	16.49
BATTLECHES 2	17.49	F20 RETALIATOR	16.99	KIDTYPE JUNIOR WORD PROCESSOR	19.99	POWERMONGER DATA	11.99	TRIAD VOL 2	7.99
BETRAYAL	19.49	F20 RETALIATOR	16.99	KIND WORDS 2.0 (WORD PROCESSOR)	24.99	POWERMONGER DATA	11.99	(MENACE, BAAL, TETRIS) (NOP)	7.99
BIG RUN	16.99	F20 RETALIATOR	16.99	KIND OF CHICAGO	7.99	POWERMONGER DATA	11.99	TURBO CUP (NOP)	2.99
BIRDS OF PREY (1 MEG)	19.49	F20 RETALIATOR	16.99	KING OF THE RINGS	25.49	POWERMONGER DATA	11.99	TURRICAN 2 D/S	8.49
BLACK CRYPT	16.99	F20 RETALIATOR	16.99	KINGS QUEST 5 (1 MEG)	25.49	POWERMONGER DATA	11.99	TURTLES 2	19.49
BLOOD MONEY	6.99	F20 RETALIATOR	16.99	KLAX	6.99	POWERMONGER DATA	11.99	TV SPORTS (U.S.)	7.99
BLOODWYCH	7.99	F20 RETALIATOR	16.99	KNIGHTMARE	19.49	POWERMONGER DATA	11.99	TV SPORTS BASEBALL	19.49
BLUE MAX	19.99	F20 RETALIATOR	16.99	KNIGHTS OF THE SKY (1 MEG)	22.99	POWERMONGER DATA	11.99	TV SPORTS BASKETBALL	11.99
BLUES BROTHERS	16.99	F20 RETALIATOR	16.99	LEADER	16.99	POWERMONGER DATA	11.99	ULTIMA 5 (1 MEG)	20.99
BONANZA BROS	16.99	F20 RETALIATOR	16.99	LEATHER GOLF	7.99	POWERMONGER DATA	11.99	ULTIMATE RIDE	17.49
BREACH 2 (ENHANCED)	17.99	F20 RETALIATOR	16.99	LEISURE SUIT LARRY 2	12.99	POWERMONGER DATA	11.99	UNIVERSAL MILITARY	19.49
BUDOKAN	8.99	F20 RETALIATOR	16.99	LEISURE SUIT LARRY 3	12.99	POWERMONGER DATA	11.99	SIMULATOR 2 (1 MEG)	19.49
CAVADER	9.49	F20 RETALIATOR	16.99	LEISURE SUIT LARRY 5	25.99	POWERMONGER DATA	11.99	UTOPIA	19.49
CAVADER LEVELS - THE PAY OFF 1199	11.99	F20 RETALIATOR	16.99	LEMMINGS	13.99	POWERMONGER DATA	11.99	VANGUARD OF EXCALIBUR	19.49
CAPTAIN PLANET	16.99	F20 RETALIATOR	16.99	LEMMINGS DISK - OH NO!	13.99	POWERMONGER DATA	11.99	VIZ	13.99
CAPTIVE	16.99	F20 RETALIATOR	16.99	LIFE AND DEATH	16.99	POWERMONGER DATA	11.99	VROOM	16.99
CARRIER COMMAND	7.99	F20 RETALIATOR	16.99	LEMBARD RAC RALLY	7.99	POWERMONGER DATA	11.99	WAR ZONE	13.99
CASTLES (1 MEG)	19.49	F20 RETALIATOR	16.99	LORD OF THE RINGS	19.49	POWERMONGER DATA	11.99	WARHEAD	8.99
CELTIC LEGENDS	19.99	F20 RETALIATOR	16.99	LOTUS TURBO CHALLENGE 2	16.99	POWERMONGER DATA	11.99	WARLORDS (1 MEG)	16.99
CENTURION DEFENDER	16.99	F20 RETALIATOR	16.99	MAGIC POCKETS	16.99	POWERMONGER DATA	11.99	WATERLOO	7.99
CHAMPIONS	16.99	F20 RETALIATOR	16.99	MAGNETIC SCROLLS VOL.1 (GUILD OF THIEVES, FISH, CORRUPTION)	19.99	POWERMONGER DATA	11.99	WHEELS OF FIRE (HARD DRIVIN, CHASE H.Q., POWERDRIFT, TURBO OUTRUN) (NOP)	7.99
CHART ATTACK	16.99	F20 RETALIATOR	16.99	MANCHESTER UNITED EUROPE	19.49	POWERMONGER DATA	11.99	WOLFCHILD	14.49
CHUCK RUCK	15.99	F20 RETALIATOR	16.99	MANIC MINER	8.99	POWERMONGER DATA	11.99	WONDERLAND (1 MEG)	19.49
CHUCKIE EGG	8.99	F20 RETALIATOR	16.99	MEGA TWINS	16.99	POWERMONGER DATA	11.99	WORDWORTH WORD	7.99
CHUCKIE EGG 2	8.99	F20 RETALIATOR	16.99	MEGATRAVELLER 1 (1 MEG)	11.99	POWERMONGER DATA	11.99	PROCESSOR (1 MEG)	79.99
COLOSSUS X CHESS	7.99	F20 RETALIATOR	16.99	MENACE (NOP)	6.99	POWERMONGER DATA	11.99	WORD CLASS RUGBY	15.99
CORPORATION PLUS	11.99	F20 RETALIATOR	16.99	MERCENARY 3	15.99	POWERMONGER DATA	11.99	WORD CUP COMPLICATION	15.99
MISSION DISK	11.99	F20 RETALIATOR	16.99	MICROPROSE 3D GOLF	15.99	POWERMONGER DATA	11.99	(TRACKSUIT MANAGER, INTERNATIONAL SOCCER, KICK OFF)	7.99
CORRUPTION (M/SCROLLS)	3.99	F20 RETALIATOR	16.99	MIDWINTER	11.99	POWERMONGER DATA	11.99	WWF WRESTLING	16.99
COVERT ACTION	22.49	F20 RETALIATOR	16.99	MIG 29 FULCRUM (NOP)	15.99	POWERMONGER DATA	11.99	XENOMORPH	6.99
CRUISE FOR A CORPSE	19.99	F20 RETALIATOR	16.99	MIG 29 SUPER FULCRUM (NOP)	25.99	POWERMONGER DATA	11.99	XENON 2, MEGABLAST (NOP)	7.99
		F20 RETALIATOR	16.99	MIGHT & MAGIC 2	6.99	POWERMONGER DATA	11.99		
		F20 RETALIATOR	16.99	MONOPOLY	15.49	POWERMONGER DATA	11.99		

COMPETITION PRO
5000 (COLOURS
MAY VARY)
7.99

POWERPLAY
CRUISER
10.99

COMPETITION PRO
EXTRA JOYSTICK (CLEAR BASE)
WITH AUTOFIRE AND
SLOW MOTION
9.99

CHEETAH BUG
13.99

QUICKJOY
JET FIGHTER
12.99

QUICKSHOT111A
TURBO 2
9.99

STARFIGHTER
REMOTE WITH
TWO INFRARED
JOYPADS
29.99

QUICKSHOT
PYTHON
9.99

QUICKSHOT128F
MAVERICK 1
12.99

QUICKJOY
MEGASTAR
19.99

QUICKJOY
TOP STAR
19.99

NAKSHA MOUSE WITH
OPERATION
STEALTH
24.99

SQUIK
MOUSE
15.99

FOUR PLAYER AMIGA/ATARI ST JOYSTICK
ADAPTOR (FOR KICK OFF 2, LEATHERNECKS,
GAUNTLET 2 & TV SPORTS BASKETBALL) ...7.99

ROBOSHIFT INTERFACE FOR AMIGA OR ST
(PLUGS MOUSE AND JOYSTICK INTO ONE PORT) ...14.99

0279 600204



No obligation to buy
FREE CATALOGUE
0279 600204

Game Gear

99.99

FREE Mains Adaptor and FREE Special Reserve Membership

BASEBALL	24.99	LEADER BOARD	19.99	SPACE HARRIER	19.99
COLUMNS	16.99	MICKY MOUSE	19.99	SPIDERMAN	24.99
DONALD DUCK	24.99	NINJA GAIDEN	19.99	SUPER MONACO GP	16.99
DRAGON CRYSTAL	19.99	OUTRUN	19.99	WONDER BOY	16.99
FACTORY PANIC	19.99	PENGU	16.99	WOODY POP	16.99
FANTASY ZONE	24.99	PSYCHIC WORLD	16.99	GEAR TO GEAR CABLE	
FROGGER	16.99	PUT & PUTTER GOLF	16.99	(LINKS TWO GAME GEARS)	5.99
G-LOC	19.99	SHINOBI	19.99	MAINS ADAPTOR	12.99
GOLDEN AXE	24.99	SLIDER	19.99	MASTER GEAR CONVERTER	
HALLEY WARS	24.99	SOLITAIRE POKER	19.99	(ENABLES USE OF MASTER	
JOE MONTANA (U.S. J'BALL)	19.99	SONIC THE HEDGEHOG	24.99	SYSTEM GAMES)	24.99



Gameboy, Tetris,
batteries, headphones
and two player lead
FREE Special
Reserve Membership
FREE Holsters, Belt and
cartridge pouch.
69.99

Buy a Gameboy AND any game and we'll give you a **FREE** Gameligh as well.
(i.e. everything in the picture above for about £90) (Please list all **FREE** items on the order form)

ALLEYWAY	19.99	GHOSTBUSTERS 2	19.99	SAMURAI ADVENTURE	24.49
BALLOON KID	19.99	GOLF	19.99	SIDE POCKET	19.99
BART SIMPSON'S ESCAPE	24.49	GREMLINS 2	24.49	SKATE OR DIE	19.99
FROM CAMP DEADLY	24.49	HYPERLODE RUNNER	19.49	SOLAR STRIKER	19.99
BATMAN	24.49	KICK OFF	23.99	SPIDERMAN	19.99
BOULDER DASH	24.49	KUNG FU MASTER	24.49	SUPER MARIO LAND	19.99
BOXXLE	24.49	KWIRK	19.99	SUPER RC PRO-AM	24.49
BUBBLE GHOST	19.99	MOTOR CROSS MANIACS	19.49	TEENAGE HERO TURTLES	24.49
BUGS BUNNY	19.99	NAVY SEALS	19.99	TENNIS	19.49
BURAI FIGHTER DELUXE	19.99	NEMESIS	19.99	WIZARDS AND WARRIORS	19.99
CASTLEVANIA	24.49	NINTENDO WORLD CUP	19.99	WWF SUPERSTARS	24.49
DOUBLE DRAGON	19.99	OTHELLO	19.99	AMPLIFIER (STEREO)	13.99
DR. MARIO	19.99	PAPERBOY	19.99	GAMELIGHT	9.99
DUCK TALES	24.49	PRINCESS BLOBBETTE	24.49	MAGNIFIER	8.99
DYNA BLASTER	24.49	QIX	19.99	MAINS ADAPTOR	12.99
FORMULA 1 RACE (WITH 4		R-TYPE	24.49	NUBY ATTACHE CASE	16.99
PLAYER ADAPTOR)		RADAR MISSION	19.99	NUBY CARTRIDGE CASE	9.99
FORTIFIED ZONE	19.99	REVENGE OF THE GATOR	19.99	HOLSTERS, BELT AND	
GARGOYLES QUEST	19.99	ROBOCOP	24.49	CARTRIDGE HOLDER	9.99



Atari Lynx 2

FREE Mains Adaptor
FREE Special Reserve Membership

APB	23.99	PACLAND	23.99
AWESOME GOLF	23.99	PAPERBOY	23.99
BASKETBALL HEROES	23.99	PITFIGHTER	23.99
BASKETBRAWL	23.99	QIX	23.49
BILL AND TEDS EXCELLENT	23.99	RAMPAGE	23.99
ADVENTURE	23.99	ROBO SQUASH	23.99
BLOCK OUT	23.99	ROBOTRON 2084	23.99
CHECKERED FLAG	23.99	S.T.U.N. RUNNER	23.99
CHIPS CHALLENGE	21.99	SCRAPYARD DOG	26.99
CRYSTAL MINES 2	23.99	SHANGHAI	23.99
DIRTY LARRY	23.99	SLIMEWORLD	23.99
RENEGADE COP	23.99	STRIDER 2	23.99
ELECTRO COP	23.99	TOKI	23.99
GRID RUNNER	23.99	TOURNAMENT	23.99
HARD DRIVIN'	23.99	CYBERBALL	23.99
HOCKEY	23.99	TURBO SUB	26.99
HYPERDROME	23.99	ULTIMATE CHESS	23.99
ISHIDO	23.99	CHALLENGE	27.99
KLAX	23.99	VIKING CHILD	23.99
NINJA CASINO	23.99	WARBIRDS	23.99
MS PACMAN	23.99	WORLD CUP SOCCER	23.99
NFL SUPER-BOWL	23.99	XENOPHOBE	23.99
NINJA GAIDEN	23.99	XYBOTS	23.99
		ZARLOR MERCENARY	23.99

CLEANING KIT FOR HAND-HELDS 8.99
COMLYNX MULTI-PLAYER CABLE FOR LYNX 8.99
CARRYBAG FOR LYNX 11.99
MAINS ADAPTOR 12.99
ATARI KIT CASE (SHOWN) 16.99



Goldstar

3.5" DS/DD
DISK with LABEL
69p each or

24.99 for 50

3.5" DS DD GOLDSTAR DISK WITH LABEL	69p each
PACK OF 50 GOLDSTAR 3.5" DS/DD DISK WITH LABELS	24.99
3.5" DISK HEAD CLEANER	4.99
DISK BOX 3.5" (10 CAPACITY)	1.99
DISK BOX 3.5" (100) DIVIDERS, LOCKABLE	9.99
DISK BOX 3.5" (40) LOCKABLE, DIVIDERS	7.99
DISK BOX 3.5" (80) LOCKABLE, DIVIDERS	8.99

DELUXE DISK BOX 3.5" (80), LOCKABLE, DIVIDERS
10.99



ROCTEC 3.5" EXTERNAL AMIGA DISK DRIVE
54.99

ROCTEC AMIGA 512K RAM EXPANSION WITH CLOCK	29.99
DUST COVER FOR 80 COLUMN PRINTER (CLEAR PVC)	5.99
DUST COVER FOR AMIGA (CLEAR PVC)	4.99
DUST COVER FOR MONITOR (CLEAR PVC)	5.49
AMIGA SOUND ENHANCER	34.99
TECNOPLUS MIDI CONNECTOR AND CABLES WITH MUSIC X JUNIOR	39.99

COMMODORE CDTV, REMOTE CONTROL, WELCOME DISK, HUTCHINSONS ENCYCLOPEDIA AND LEMMINGS
FREE MEMBERSHIP
469.99

FULL RANGE CD'S FOR CDTV IN OUR CATALOGUE



£30 OFF

Special Reserve

Games Club



NRG colour magazine
Bi-monthly to members.
Don't miss it.

Biggest and Best.

Huge catalogue. Huge discounts.
Huge stocks. Huge staff.
Huge membership.
Biggest Value, Best Service
No obligation to buy

Free Colour Catalogue
Just phone our sales team on

0279 600204

Open to 8pm Weekdays
and to 5pm Weekends

ANNUAL MEMBERSHIP
UK £6.00 EEC £8.00 WORLD £10.00
We only supply members but you can order as you join.

Win £200 to spend at
Special Reserve

Members only. See catalogue for details.

Inter-Mediate Ltd. Registered Office: 2 South Block,
The Maltings, Sawbridgeworth, Herts CM21 9PG.

SAVE £££ 229.99



Amiga A500
PLUS 1 Meg
Lemmings
Pack

1 MEG RAM, TV MODULATOR, MOUSE
LEMMINGS, BART SIMPSON, CAPTAIN PLANET
FREE COMPETITION PRO 5000 JOYSTICK
FREE SPECIAL RESERVE
MEMBERSHIP WORTH £6.00

349.99



CITIZEN SWIFT 9

80 COLUMN, 9 PIN, 213 CPS,
24 MTH WARRANTY,
FREE COLOUR KIT,
FREE PRINTER LEAD
FREE MEMBERSHIP

199.99

CITIZEN 120D+ PRINTER, 80 COLUMN,
9 PIN, 144 CPS/25 NLQ, 24 MTH WARRANTY
FREE MEMBERSHIP, **FREE** PRINTER LEAD134.99

CITIZEN 224 COLOUR PRINTER, 80 COLUMN,
24 PIN, 192CPS/64LQ, 24 MTH WARRANTY,
FREE MEMBERSHIP, **FREE** PRINTER LEAD249.99

AUTO SHEET FEEDER FOR CITIZEN 22479.99

RIBBON (COLOUR) FOR SWIFT 9 OR 22415.99
RIBBON (BLACK) FOR SWIFT 2246.99
RIBBON (BLACK) FOR SWIFT 9 OR 120D+6.99

A590 20 MEG HARD DISK FOR AMIGA (AUTOBOOT WITH
KICKSTART, SOCKETS FOR 2 MEG OF RAM, SCSI
INTERFACE FOR PERIPHERALS CONNECTION)284.99

AMIGA TO SCART LEAD (GIVES MONITOR QUALITY ON
TV WITH SCART/RGB INPUT)9.99
CLEANING KIT FOR COMPUTERS (INCLUDES VACUUM)19.99



A501 (WITH BART) AMIGA 512K RAM
EXPANSION TO 1 MEG
GENUINE ITEM WITH CLOCK
FREE BART SIMPSON GAME49.99

STOP PRESS

From April '92 our colour magazine
NRG will double in size and will
include £30.00 worth of money off
coupons in every issue.
So you can save up to a further
£180 per year off our already
incredible prices.

NRG is included in the price of membership
JOIN NOW for best ever VALUE

INEVITABLY, SOME GAMES SHOWN
MAY NOT YET BE RELEASED.

PLEASE PHONE SALES ON 0279 600204 FOR LATEST
RELEASE DATES AND STOCK AVAILABILITY.

WE ONLY SUPPLY MEMBERS BUT YOU CAN ORDER AS YOU JOIN.
THERE IS A SURCHARGE OF 50p PER GAME ON TELEPHONED ORDERS.
(PLEASE PRINT IN BLOCK CAPITALS)

AMFORM 19

Name

Address

Postcode

Telephone Machine type

Enter membership number (if applicable) or

Membership fee £6 UK, £8 EEC, £10 World

item

item

item

item

ALL PRICES INCLUDE UK POSTAGE & VAT £

Cheque/P.O./Access/Mastercard/Switch/Visa Switch Issue No

Credit card

expiry date Signature

Cheques payable to: **SPECIAL RESERVE**

P.O. BOX 847, HARLOW, CM21 9PH

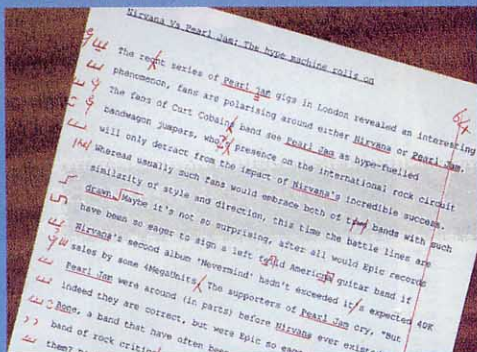
Overseas Orders: EEC software orders - no extra charge

World software orders please add £1.00 per item.

Non-software items please add 10% EEC or 25% World.

Overseas orders must be paid by credit card.

How it used to be done (and, indeed, still is)



Before DTP, writers would use a typewriter to write their copy. Not only was this more legible, but it helped the page designer work out how much room the writing would take up on the finished page. Because letters on typewriters were equally spaced in those days, usually 10 or 12 per inch, it was easy to calculate how many letters there were in the whole piece of writing. Then by referring to special tables, the designer could 'cast off' the copy. This would tell him how many lines, of a certain length, would be needed to print the text at a certain size.

At this point the sub-editor would read through the copy correcting any spelling or grammatical errors. If he found any, he would mark them on the manuscript using a set of symbols which told the typesetter exactly what corrections to make.



The copy would then be typeset. Typesetting is the process of putting all the words into a column of lines, like the ones you are reading now; this was called putting text in galleys. Galley is the word that has its roots back in the days when type was set from molten metal into solid lines, that were then put together into a frame called a galley to make columns. Typesetting machines cost many thousands of pounds, so only the largest of publishing companies could afford to have their own. Most people would send their copy to specialist typesetting companies. Once the copy had been typeset it would be proof-read to make sure the typesetter had not made any mistakes. Then the text would be printed on a long piece of photographic paper called a bromide and returned to the designer.



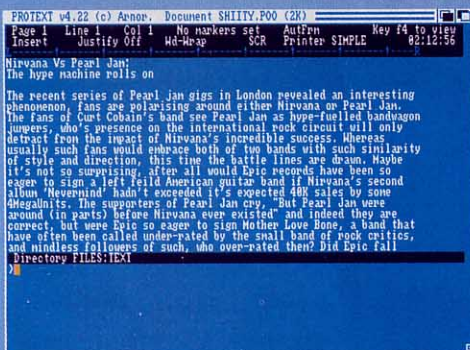
Once the designer got all the words in their typeset form, he stuck them down onto a sheet of card to produce something called a mechanical. Working on a drawing board, and using a scalpel (to cut the galleys up into useable sized columns) and Spray Mount to paste them into place. Paste up, was a tedious job. The designer would leave a space where he wanted the pictures to go, and put a key-line around it using a Rotring pen.

If the work was a regular layout (like a magazine), the designer may have had a grid sheet. This was a piece of card with faint blue lines on to show him the position of the columns, folio, and the edges of the page. The lines were blue because this colour wouldn't show up when the printer photographed the mechanical to make his printing plates.

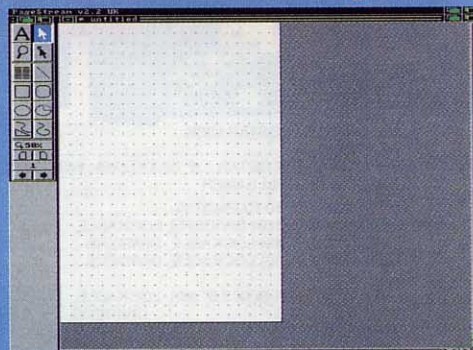
Desktop Publishing

What it is

After the DTP revolution (or what you can



Since the invention of DTP the writer has done part of the job of the typesetter and part of the job of the proof-reader. As almost everyone writes on a word processor these days, all the 'keying in' of text is already taken care of by the writer, who can then use the spelling checker feature to correct his own spelling mistakes. The finished text file can then be given on disk to the sub-editor, who can complete the job of proofreading. Since the file has been checked for spelling the sub can concentrate on the grammar and style, making the corrections to the data file. Since most DTP programs can import text files in most formats, all the sub editor then has to do is give the floppy disk to the designer.



The designer may have a grid or template for his page ready to use. But, if this is a special one-off job, or the first time he has created a page of this size he can simply get the DTP program to create a 'custom grid' by telling the program what size he wants the page to be.

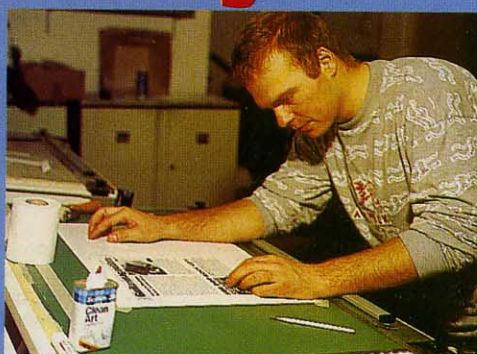
A basic, or bare, grid will simply have the page size, crop marks (which show the printer where the page ends), and the empty columns. The designer begins laying out the page by importing the text into a text box, which he must first draw. At this point it is possible to put all the text into body text style by selecting all the text and using a 'style sheet'; this stores information about typeface, size etc.



DTP systems work by creating a series of boxes, into which you can place or 'import' either text or pictures. Unlike paste up, once you have put text or a picture into a box you can move, or 'drag', the box around the page with incredible ease. It is also possible to 'cut' and 'paste' text (or pictures) between boxes. These terms are taken from the old 'paste up' process, but the method of doing them is much quicker and easier, not to mention less messy.

To style up our page we need to cut bits of our text from the first file we imported, paste it into other boxes around the page, and use the power and flexibility of the DTP program to change the size, colour, typeface, leading (line spacing) etc as needed.

before DTP came along



The lithographic process, which is used to print most things – including this magazine, cannot print shades, only black or white. Unless you're printing in colour of course, in which case it will print cyan, magenta and yellow (C-M-Y) as well. So to give the appearance of shades pictures have to be made up of a pattern of really tiny dots, called a half tone.

Obviously if the designer wanted to use pictures, they weren't made up of little dots, so they had to be 'screened'. To put a halftone dot into a picture you take a photograph of your original through a process screen, using a machine called a process camera. Many design and smaller publishing companies had these as they were dead useful, and not too expensive. But for those who didn't companies called 'repro houses' did the job.

Once the pictures were screened they were ready to be pasted onto the mechanical, which was known as 'camera ready artwork'. The designer would go back to the paste up table and stick the pictures into the position he had marked with keylines. It's interesting to note that the K in C-M-Y-K actually stands for keyline. However when people used B for black it was often mistaken for blue, and it then got mixed up with the cyan plate.

When the pictures are stuck on the designer's work was over, and the camera-ready artwork was ready for the printers. One of the disadvantages of this old way of doing things is that, since it was all separate bits of paper glued together, sometimes a piece fell off on the way to the printers, which meant it would be missing from the finished document.

Guitarmageddon

Nirvana Vs Pearl Jam: The hype machine rolls on

The recent series of Pearl Jam gigs in London revealed an interesting phenomenon, fans are polarising around either Nirvana or Pearl Jam. The fans of Kurt Cobain's band see Pearl Jam as hype-baited bandwagon jumpers, who's presence on the international rock circuit will only detract from the impact of Nirvana's incredible success. Whereas usually such fans would embrace both of two bands with such similarity of style and direction, this time the battle lines are drawn. Maybe it's not so surprising, after all would Epic records have been so eager to sign a left field American guitar band if Nirvana's second album 'Nevermind' hadn't exceeded its expected 40K sales by some 40K? The supporters of Pearl Jam cry, 'But Pearl Jam were around (in parts) before Nirvana ever existed' and indeed they are correct, but were Epic so eager to sign Mother Love Bone, a band that have often been called under-rated by the small band of rock critics, and mindless followers of such, who over-rated them? Did Epic fall over themselves to obtain the services of Green River (later Mudhoney)? The answer to these questions is, of course, no. Pearl Jam are not properly because Nirvana have managed to sell albums by the bucket load to the disillusioned ex-fans of the burnt out Guns and Roses.



Kurt Cobain

But when it comes down to it, does any of this matter? Pearl Jam have produced an excellent debut album, and whilst there are maybe more deserving bands (Smashing Pumpkins, Crowbar, Salvation, Buffalo Tom) for the international megastar treatment, PJ are not entirely undeserving. They've certainly played their dues faithfully in Mother Love Bone, without recognition, before seeing their singer die of a smack O.D., then producing 4 superb, but under-rated albums as Temple of the Dog with Soundgarden's Chris Cornell. So we here at Guitarmageddon say, support all guitar bands. Pearl Jam included. You know it makes sense!

SUB POP ROCK CITY



Is SUB POP 200 the greatest CD of all time? We say maybe.

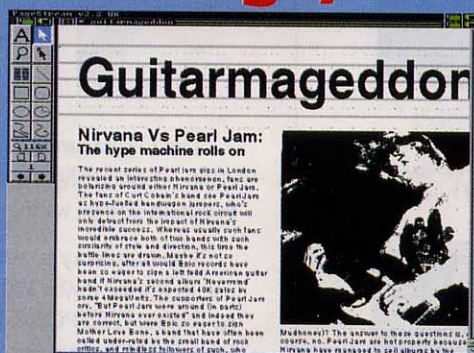
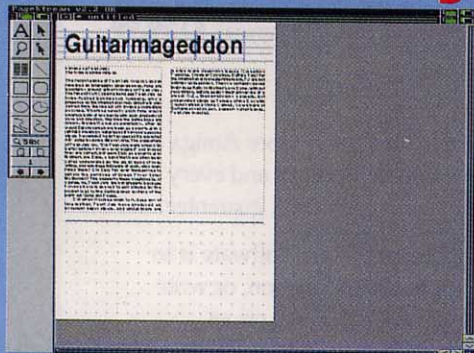
When the music of Seattle's Sub Pop label first came to England it did so with a whimper and with a bang. The whimper was the trickle, which quickly became a flood of import singles available through specialist record shops. The Bang was the release of the compilation album SubPop200, a twenty track collection featuring such SP luminaries as Tad, Mudhoney, The Fluct, Green River, and of course Nirvana. SST's Soundgarden also contributed the seminal 'Sub Pop Rock City' to the collection before becoming the first of Sub Pop's major label signings. But amongst the Sub-Pop fraternity it was Mudhoney who appeared to be destined for stardom in these early days. This CD contains no less than three compositions from their main man, Mark Arm. Two performed by his own bands 'Shallow' and 'Mudhoney'. Continued inside

Here is a finished 'paste-up' page, ready for the printers. Producing a page like this could take up to eight hours of actual work (typing, typesetting, proof-reading, pasting up) not to mention the time lost in transit to and from the typesetters etc.

Nowadays, nearly all designers use a computer DTP system to do their work, including our own Art Editor **Marcus Dyson**. He takes a look at Amiga DTP, and explains what all the fuss is about.

and how to do it!

now do with your Amiga)

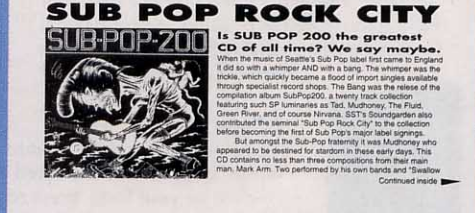


The big advantage of DTP over the old way of doing things is the way the designer can work on the whole page as one entity, and the pictures are no exception. Just as we can import text into a text box, DTP packages allow a wide variety of picture formats to be imported and manipulated. These pictures could be created on the Amiga, using *Deluxe Paint* or *Graphics Workshop*, or they could be captured from the outside world using a digitiser or a scanner. Once you have them in your DTP program they can be printed out just like any other part of your document.

The scanner we use costs about £1,300 but hand scanners start at around £100.

Once all the text and pictures are on the page, the designer can begin the layout process in earnest. Useful tools, like making the guide lines of the grid 'snap' boxes to them makes lining up pictures and text much quicker than the old paste up method, and should you wish to change the design halfway through, there's no tedious peeling off what you've already done. It's not surprising that laying out a page this way can take less than a quarter of the time it did before.

But the real power of DTP is that the designer can see what his page looks like at any stage. And when it's all layed out, if the copy doesn't fit, it can be cut or written up right there on the page.



Once it's complete the file can be printed directly to printers' film by a Linotronic bureau. This page looks pretty similar to the one at the top of the page, but it took less than half the time to produce.

The Digita range...

Home Accounts2®

An advanced version of Home Accounts, which is limited only by the capacity of your computer. Sophisticated reporting with graphics, and special options such as VAT and loan calculation facilities. Equally suitable for businesses, clubs and charities (ST and Amiga). **£54.99**



Home Accounts

Ideal for home users who want a simple low-cost way to plan and manage home finances. **£29.99**

DGCalc

This fast, simple spreadsheet includes many advanced features, including a windowing facility, so that you can look at different parts of the spreadsheet at the same time. **£39.99**

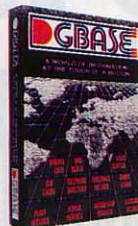


Mailshot Plus

If you ever need to send out mailings or print labels, this program is for you. Animated labels appear on-screen as a continuous sheet, allowing you to scroll backwards and forwards. You can search, sort and detect duplicate labels, print side by side and much more. **£49.99**

DGBase

If you're looking for fast access to information, and the ability to create customised reports, then this relational database is for you (ST). **£49.99**



Day-By-Day

An excellent way to get organised. You'll be reminded of birthdays, meetings and appointments. It includes month/week/day planners and automatic reminders of overdue events. **£29.99**



Personal Tax Planner

Plan your own tax with ease. This simple program will calculate your income tax liability, allowing you to perform instant 'what-if' calculations and produce pertinent facts about your tax position. A professional version is also available for accountants and financial advisers. **£49.99**



E-Type

Transform your computer into a type-writer. Because text is printed instantly, you can line up your form, press return and space a few times to move to the correct place, and then start typing. Ideal for filling in forms, and envelopes. **£39.99**



System 3

A suite of programs which perform all the basic functions for a small business. They may be used independently or integrated and include Cashflow Controller, Stock Control and Invoicing and Statements. **£59.99**



System 3e

Like System 3, but with extended capacity for customer accounts and stock items. **£79.99**



Cashbook Controller

Take the drudgery out of book keeping as this program will replace your cash and petty cash books. In addition to recording cash, bank and VAT transactions, you can enter credit sales and purchases, and for all these entries the program will automatically complete double entry routines, to ensure your records are always in balance. **£59.99**

Final Accounts

Using the information created with Cashbook Controller, this program will produce a complete set of accounts, including Trial Balance, Trading and Profit and Loss Account, Balance Sheet, as well as useful accounting ratios. **£39.99**



Cashbook Combo

A money-saving combination pack containing Cashbook Controller and Final Accounts. **£79.99**



Wordworth®

The graphical nature of Wordworth makes producing documents faster and easier. With the enhanced printing fonts, Collins Spelling Checker and Thesaurus, no other word processor comes close (Amiga). **£129.99**

The Digita range is available for Commodore Amiga, Atari ST and IBM PC unless stated otherwise, and every program comes with a seven day money-back guarantee.

The only way to really appreciate Digita software is to use it. Phone 0395 270273 for more information, or write to Digita, FREEPOST, Exmouth EX8 2YZ. All prices include VAT, postage and packaging.

DIGITA®
INTERNATIONAL
software thats right™

The Digita range is available to the trade through Columbus, Gem, HB Marketing, IBD, Lazer, Leisuresoft, Precision and SDL.

Pages are made up of many different elements, which all combine together to get the necessary message across.

We take a look at why they are there and what they consist of.

The things a page is made of

All the words on any page are made up from letters: nothing unusual there, but if you take a look, not all the letters are the same shape, and they're certainly not all the same size.

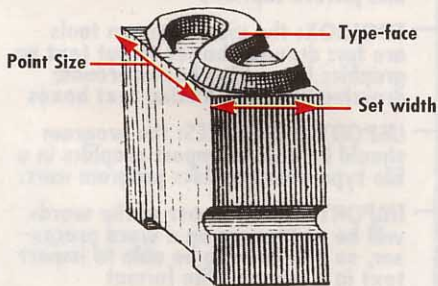
The reasons for them being different shapes are twofold, and quite simple. One reason is that they have evolved. In the same way cars are a different shape now to the way they looked in the 1920s, letters can now look very different from the way they looked back then. The only difference with letters is that once someone has designed a new shaped letter, people don't stop using the old ones.

The other reason type comes in lots of different shapes is simply personal taste; to use the car analogy again, its like one person choosing to drive a Ford Sierra, while another drives a BMW.

If I were designing this page, I might try using this shape of letters, called *Eras*

But you might prefer this shape (Helvetica black).

Each different shape of letters is called a typeface, and they all have names. You are now reading Helvetica, which was invented in Switzerland, and takes its name from Helvetia, which is what the Swiss call their country. The word typeface comes from the front face of the metal blocks that type used to be made on, they looked like this...



For hundreds of years typefaces remained basically the same, it was not too easy to design a new typeface when it has to be cut from metal, but in the last hundred or so years the number of typefaces has multiplied rapidly.

Before type was made from metal it was carved from stone. To make the letter shapes look neater the stone masons would make a perpendicular stroke across the end of the arms, ascenders, descenders etc. These cross cuts were called serifs, and when type went to metal, these were retained. Typefaces that had this shape of letter were known as serifed faces. Later on typographers designed faces without these shapes, these newer fonts were called sans-serifs.

Serif **Sans-Serif**

It's common to use both types of face in one document, and although serifed faces have proven to be more readable as body text, many people use sans-serif faces to give a 'modern' look.

The person who made up all the rows of metal type would keep all the letters separate in a large wooden case, and all the capital letters would be in the top half of the case, and the small letters would be in the bottom half...

SO THESE ARE KNOWN AS UPPER CASE and these are called lower case

A typeface at a certain size used to be called a font, and because they were all made of metal, the difference between one font and another was definite, and important. Modern computer DTP systems can scale fonts up or down, so the word is less important now than it ever was before. If you don't have Helvetica 12 nowadays, you just use Helvetica 10 and scale it up to 120 per cent of its normal size.

The reasons for letters being different sizes are very simple, obviously words have to be big enough to be read easily...

we might get a lot in, but would you read *Amiga Format* if the words were this big?

And of course you want to draw immediate attention to some parts of the page, particularly the headline, so you put it in large text.

The way the size of characters is measured also goes back to the days of metal type. The size of type is measured in a unit called points, shortened to pts. A point is equal to 1/72nd of an inch. You are now reading type that is 7pts in size.

The problem with point sizes is that they don't actually relate to the size of the letter, but to the size of the piece of metal it used to be on.

This is 15 pt and so is this.

So it is easily possible for two different typefaces to be the same point size, but look as if they are actually different sizes.

One thing that makes DTP so special is that it gives you the power to control all of the things we have just talked about, plus one or two others. But before you can go changing the typeface of your text you have to have some fonts installed into your system. Every Amiga comes with a few fonts, and if you buy a DTP program you may get a few more. Not all fonts are the same however, and if you are serious about DTP you need to know the difference.

Amiga fonts (like the ones that came with your machine, or are available in the Public Domain) are bitmap fonts, they are made of a grid of 8 x 8 pixels, and if you enlarge them the pixels show, making these fonts unacceptable for serious DTP use.

Another type of font is an outline font, these are made up of points, lines and curves, and when they are enlarged they still look perfectly smooth.

Amiga Outline

The most common type of outline font for the Amiga is the Compugraphic range of fonts, available from a number of sources.

For the simplicity of your document it is best to limit the number of fonts you use, preferably to around five or six. In *Amiga Format* we use...

Frutiger, Times, Eras, Futura, Helvetica

If you don't believe us take a look for yourself. The reason it looks as if we use more than just five typefaces is that we apply styles to them. Styles are effects that DTP packages can use on a typeface to make it appear different ie

Frutiger italic, Eras Ultra Bold

Most DTP programs allow you to save a style for repeated use once you have defined it.

What you will find on a typical page

SECTIONHEAD

In magazines; tells you what part of the mag you are reading.

HEADLINE

The main title of the page.

FOLIO

Is the place where the page number and date go.

DROP-CAP

An enlarged first letter to tell people where to start reading.

BODY TEXT

The main bit of writing, the choice of typeface is important, it has to be legible.

STRAP or STANDFIRST

Is an intro paragraph which tells you what the subject of the page is, and who wrote it.

PICTURE CAPTION

No picture says a thousand words if people don't know what it's meant to be of. This is where you tell them.

CROSSHEAD

A few words that help break up the monotony of long columns.

CALLOUT

A little bit of text pulled out of the body text to attract the readers' attention.

WHITE SPACE

Don't feel obliged to fill all of your page with words or pictures, empty areas can look good.

What to expect from a DTP program

So you've seen what the idea of a DTP program is: now you might find it useful to get a quick run-through of what to expect from a DTP package, and what features are vital when you're deciding what to buy.

The big advantage of working in DTP is that the designer can approach the page as a whole, with text and pictures all as intrinsic parts of the document. The WYSIWYG (what you see is what you get) display gives a good impression of what the finished result will look like, and once you are used to the individual quirks and shortcuts of your particular program, you can turn pages around with considerable speed. But whilst all DTP programs do the same basic job, they don't all go about doing things in the same way, and some are more suited to a particular job than others. There are a few questions that you should ask before purchasing any program:

Will it work with my word processor?

Virtually every page you use will have some text on it. If it's only small amounts you could enter it straight into your DTP program, but if you are dealing with bigger amounts of words you have to be sure that your DTP package can import text in the file format of your word processor. This is not completely critical, because text files are one of the most easily converted of any data files, but having to do this will involve time and effort, and require you to have a program which can do it.

Does it use the right picture file format?

An Amiga DTP package is sure to support the IFF picture format, but what if you are using a 24-bit scanner, will it support IFF24? If you want to import clip art, or structured drawings, does it support the relevant file format? If you are wanting to port images from a PC or a Mac you could convert the file format using the *Art Department* professional, or something similar. But wouldn't it be easier if you could just import the picture in its original format? Some DTP programs can handle a surprisingly wide range of picture formats, if you are going to be using one format extensively, check to see if your intended program is compatible!

Will this program support the right fonts for my requirements?

As we have already mentioned, if you are need to scale fonts up in size, you will find that normal Amiga fonts are not of a high enough quality (because of their bitmapped nature, rather than any problem with the fonts themselves). The answer is of course Outline fonts, but, like everything else, these come in a number of formats, so once again it's a matter of checking they're the right ones.

Also consider if you want to share the fonts between programs (*ProPage* and *PageStream* for instance), they have to be compatible with all the packages.

THE IMPORTANT BITS OF ANY DTP PROGRAM

PAGE GRID: the whole page is visible as one discrete element: you can zoom in on bits of it at will.

DIRECT ENTRY TEXT: you must be able to type in things like headlines and picture captions

TOOLBOX: the most common tools are for: drawing boxes to put text or graphics in; moving boxes around; drawing lines and linking text boxes

IMPORTED PICTURES: the program should be able to import graphics in a file type your graphics program uses.

IMPORTED TEXT: most of the words will be written up on a word processor, so you have to be able to import text in a relevant file format

Can I make and store a grid for my regular document sizes?

If you use a certain size of document regularly, you will want to save a grid as a file on disk. Most DTP packages will allow you to do this, but not all of them work the same way.

Some programs allow you to create elements on a 'master page' which will then appear on all the pages of your document. But not all programs will let you edit these 'master' elements on the document pages, so they are only really any use as a guide grid, or as a repeated element like a logo. If you want to create a grid with text columns on your master pages, you can, but you can't then import text into those columns once you use the master page to create a normal document page.

Some of your documents may require more than two master pages (one for left, one for right), but not all programs have the facility to let you do this.

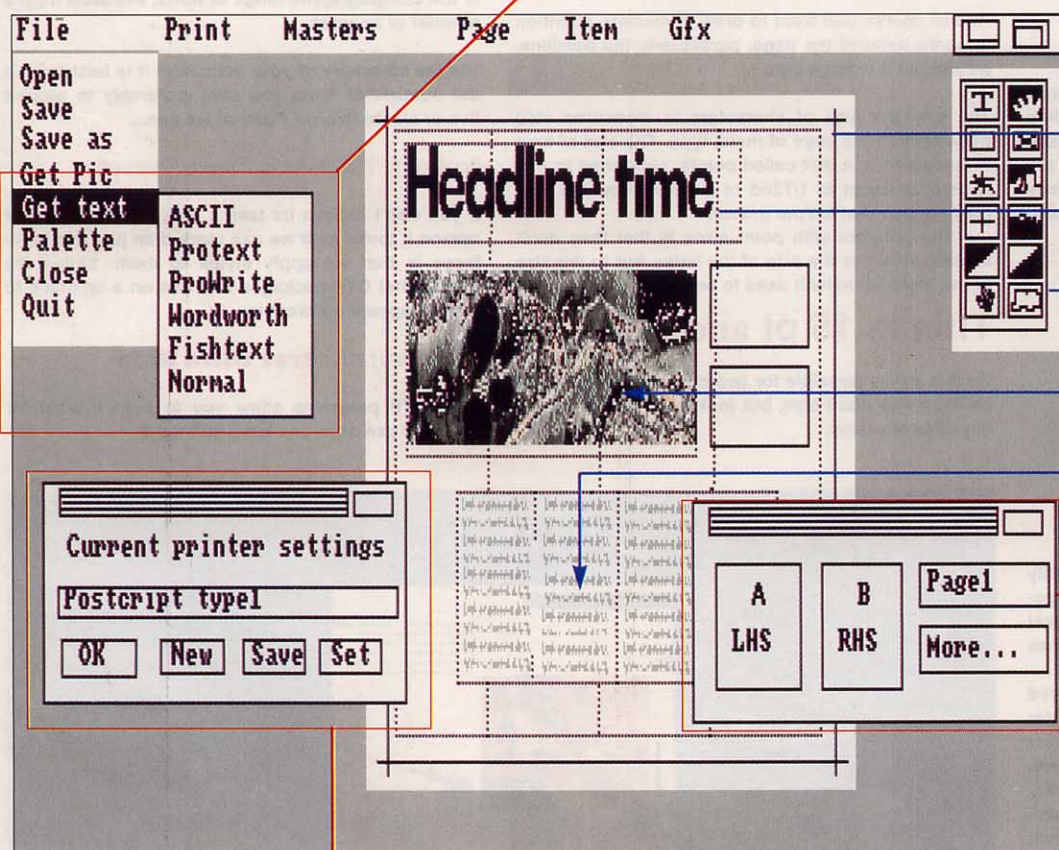
Will it support my printer?

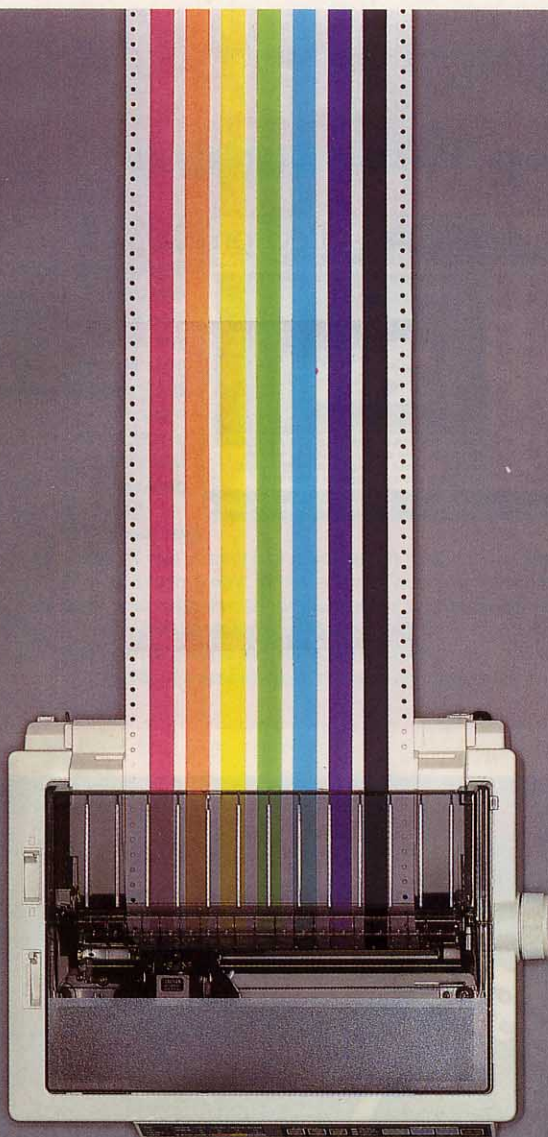
The biggest single factor in the quality of DTP output is the printer. But not every program supports every printer. If you buy *PageStream* Soft Logik will write a printer driver for you if the relevant one isn't already available. But not all companies are so accommodating.

One way to get better quality output without spending too much money is to buy a laser printer. These devices often use a language called HPGL (Hewlett

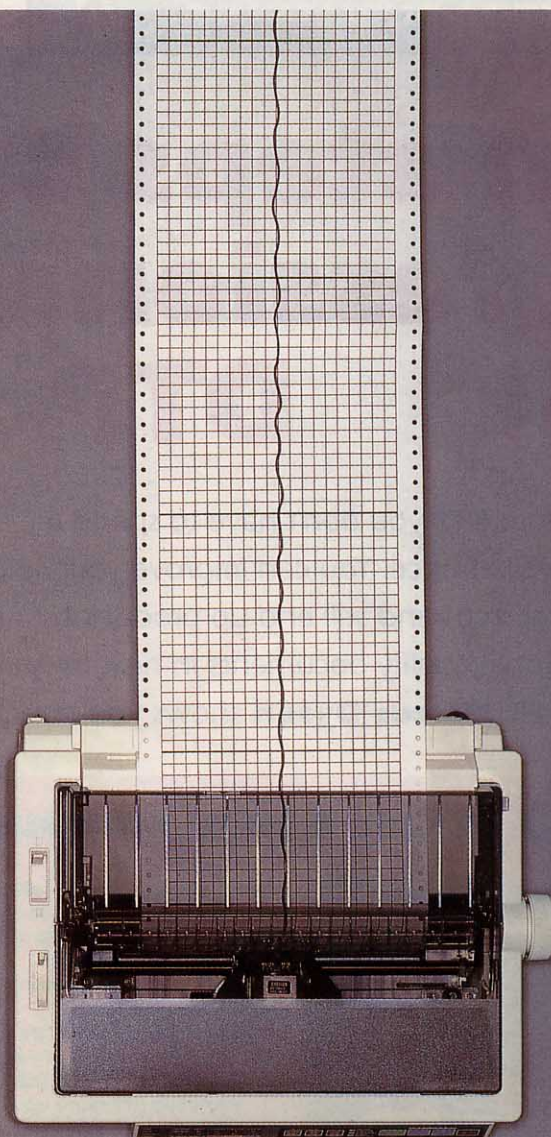
Packard Graphics Language), so again, if you want to use one of these, make sure your program will support it. The highest quality output is from devices that use a graphics interpreter called PostScript.

If you are intending to use your DTP package for professional quality output, you would probably be well advised to get one which is compatible with PostScript.





Loud colour.



Quiet printer.

When you buy one of our new QuietPrinters, your life (or, at least, your printed matter) will immediately seem brighter. That's because you have seven vibrant colours at your disposal to give documents more life by helping to lift text, graphics and pictures off the page.

Furthermore, you'll be pleasantly surprised by the quiet efficiency with which it goes about its business.

Of course, with both printers, you get more than lots of colour with very little noise; you also get simply outstanding value

Quiet *Colour* Printing  For example, our

The KX-P2123 Colour QuietPrinter.



• 7 colours including black • Noise level less than 47 dBA
• One Super LQ, six LQ and three draft fonts • Outline and shadow font facility • 240 cps draft, 80 cps LQ, 32 cps SLQ • 3 paper paths, push/pull tractors, paper parking, zero tear-off and optional sheet feeder • Epson LQ-860/IBM Proprinter™ X24E emulation • Standard 14K buffer, expandable to 46K

The KX-P2180 Colour QuietPrinter.



• 7 colours including black • Noise level less than 48 dBA
• Six NLQ and three draft fonts • 240 cps draft, 38 cps NLQ • 3 paper paths, push/pull tractors, paper parking, zero tear-off and optional sheet feeder • Epson FX-850 and IBM Proprinter III™ • Standard 4K buffer, expandable to 36K

new 24-pin KX-P2123 QuietPrinter offers, in addition to colour, superb print quality through one Super LQ and six LQ fonts, plus a truly impressive range of other paper handling and printing features. And, in terms of value for money, its 9-pin stablemate, the KX-P2180, is equally attractive. To see what we mean, just take a glance at the specification summary (opposite).

So if you'd like to know more about how to get some colour into your life, while keeping the noise out (and without breaking the bank), contact us now on (0800) 444220, fax (0344) 853707.

Panasonic
Printers



All trademarks acknowledged. Note that colours seen in this photograph are simulated due to reproduction processes. Public sector customers may purchase at preferential terms from H.M.S.O. Contact 0603 695557.

Ten steps to professional DTP

To get into DTP you don't have to spend a fortune all at once. You can improve your setup in logical steps and still end up producing professional quality documents in next to no time at all. **Marcus Dyson** shows you how...

Step 7: Get a new computer



We'd all like a 3000, but if you're doing serious DTP they make sense.

Now you're using a more capable DTP package you will have noticed how slow the Amiga is. It's not really the machine's fault, DTP is a very demanding area of computer use.

Remember the A500 only has a standard Motorola 68000 chip crawling along at 8Megahertz.

You'll find DTP much less of a chore if you have a faster machine. The solution is to buy a 2000, or better still a 3000. The 3000 has a built-in flicker fixer card, and a 68030 processor racing along at 25MHz, it costs about £3,500. The 2000 has the same processor as the

A500, and costs in the region of £1,300. Adding an accelerator card and flicker fixer would take that up to between £2,000 and £3,000 depending on how fast an accelerator you use.

Step 8: Get a better scanner



Throw that crappy little scanner you just bought in the bin, and get a proper one.

Now you are into the region of true professional DTP, the documents you produce on your current set up will be of a suitably high-quality to use as artwork for four-colour process printing. But while your cheap colour scanner produces good enough images for your LaserJet printer, its shortcomings would be obvious when the images were printed.

To produce true photographic quality images, you need a scanner with full 24-bit capability, like Sharp's

JX300/450/600 family. You will need software to drive the scanner, and also an image processing package to correct the colours of your scanned images. Whilst you're spending all this money you might as well stick a 24-bit colour board in your A2000/3000, so that you can see on screen what your scans actually look like. The cost of all this, well you could spend £2000, but if you get carried away you could spend £10,000. We're in big money territory now.

Step 1: Do nothing



To get started in DTP you don't have to do anything, unless you're reading someone else's copy of *Amiga Format* that is. In which case you should go out and buy your own copy, because on the front of this issue is a copy of *PageSetter* 1.2. This is a fully functional, if rather basic desktop publishing package from Gold Disk.

PageSetter was the first ever Amiga DTP package, and it

will work with all your Amiga fonts and print to any Preferences set up on your printer. If you don't have a printer, you do have a problem. But the best thing to do is save up a few documents on a disk, then when your friend goes on holiday, offer to look after his dog/cat/armadillo. Then whilst he's away, run all your documents out on his printer. If your friend doesn't have a printer, or you don't have any friends, proceed to step 2...

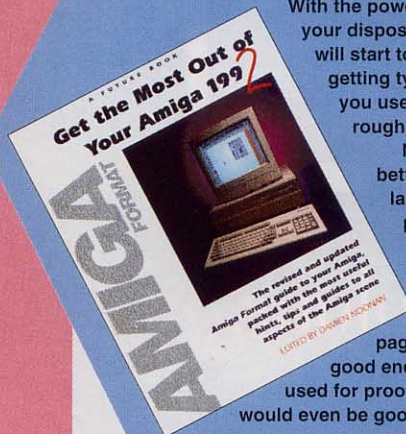
Step 6: Improve the output

Once you have started using a more advanced package you will have the ability to produce much more professional-looking page layouts.

With the power to use 24-bit images and outline fonts at your disposal, the output from your old dot-matrix printer will start to look a bit shabby. I mean, what is the point of getting typefaces that look smooth, no matter what size you use them at, if your printer just makes them look rough again.

Now's the time for you to start considering a better printer. One option is a PostScript colour laser printer, but they cost many thousands of pounds. A more reasonable solution is an ink-jet printer like the Sharp JX-730, which at £1,300 is still not exactly cheap, but the results justify the price.

By using the Sharp, results like the page on the left can be achieved. While not quite good enough to use as artwork, this printout could be used for proofing (checking to see how it looks) a page. It would even be good enough for a colour photocopy leaflet.



Step 9: Use a bureau



Printers' separated film has one sheet for each of the four ink colours.

With all this equipment to create your pages, you don't want your output to let you down. So you need to print on printers' final film from a PostScript imagesetter. There are many bureaux around the country who offer a printing service from these machines. Imagesetters are very expensive, so your local bureau will charge

you a quite healthy price, around £20 for every page they output.

Printers' film is a series of four pieces of transparent photographic film that is 'colour separated'. This means that there is one piece of film for each colour of ink the printers use: one for cyan, one for magenta, one for yellow and one for black. These films are printed at a very high resolution, over 2,000 dots per inch, so the images are very sharp.

Step 2: Get a printer



Let's face it, without a printer, DTP wise you are not going to get very far. Unless your friend goes on a hell of a lot of holidays that is. If you are at all serious about DTP you are going to have to get a printer. Which type you should get depends on how serious you are. Mono dot-matrix printers start at less than £120. These are fine if you are going to stay with a mono-only program like *PageSetter*, but if you are thinking of moving on to a slightly better DTP package, it might be worth splashing out for a colour printer. Colour printers start at around £220. Once you have your printer you will be able to print documents with text and Amiga pictures from programs like *DPaint* and *ProDraw*. You can also get extra fonts and clip art from the Public Domain for very little extra cost.

Step 3: Consider a scanner



Small and handy, Amiga scanners are a boon to any DTPer.

So now you can output your text and images that have been created on the Amiga. But what about pictures from the real world, like photographs. To get these into your Amiga you need to use a scanner. Small hand scanners, like the one pictured on the left, are less than £200, but the quality of the pictures they produce is not particularly great. They are mono and dither the pixels to produce the effects of tones, when the dither pattern is combined with the pattern of the dot-matrix printer, very rough images can result. A very good hand scanner to consider is the PanDaal handiscan.

The cheapest colour scanner is the Sharp JX-100, which still costs nearly £600 including software. But it can scan pictures in HAM mode and the results are absolutely excellent.

Step 5: Better software



PageStream 2.2.



ProfessionalPage 3.

Now you have the ability to capture and store colour images, and print in colour. So now you need software that can make use of all this hardware power. On pages 118 and 120 of this issue we review the top two Amiga DTP packages, *PageStream 2.2* and *ProfessionalPage 2*. Both these programs are high end, PostScript-compatible DTP packages with the ability to handle outline fonts in colour. They are both able to make the best use of your colour scanned images, and produce high quality output from any kind of printer.

Step 4: Increase your storage

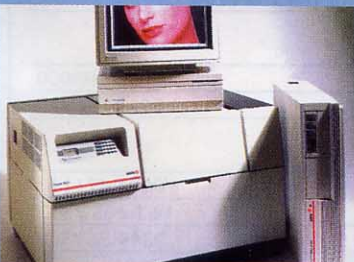


DTP files can be positively huge, you could find a hard drive a major help.

Once you start scanning pictures for your documents you will find that a floppy disk isn't always big enough to keep your pictures on. In fact, if you are scanning in colour you may find that some of your files are several megabytes in size. It's time to consider getting a hard drive. Apart from the extra storage space for pictures and documents, you will also be able to store more fonts. An added bonus of a hard drive is that your DTP program will run faster once installed on it. Accessing fonts, opening documents, importing pictures will all happen in the twinkling of an eye compared to working from floppies. Hard drives start at around £300, but it could be worth paying a bit more to get a better one. Hard drives are also a good way of adding RAM.

Once you get a hard drive, you open up lots of doors for the future expansion of your system. Some more advanced DTP programs like *ProfessionalPage 3* will only run from a hard drive.

Step 10: Buy a Linotron



Imagesetters are a little too expensive for most home enthusiasts.

If you find you are doing a lot of full-colour separation work then it may be worth your while getting your own imagesetter. You would be lucky to get one for less than £20,000 though, so we're not talking enthusiast's budget here. In fact, at £20 per page an imagesetter wouldn't pay for itself until you had put 1,000 pages through it. That's the equivalent of nearly four copies of *Amiga Format*, ads an' all. Remember you have to keep it supplied with films and chemicals too, and employ someone to run it. This would be the step to full-time professional DTP, and even then you would probably have spare imaging time left over. You could always use your excess capacity to offer a bureau service to other DTP users. We know of a few people who have done this, and they have been quite successful.

Just do it

So there we have it, DTP from no cost at all through to DTP costing many, many thousands of pounds. DTP as a way of listing the tracks on your cassettes through to DTP as a full-time business proposition. And common to all of this is the Amiga.

We're not suggesting that you go out and spend all your money on rigging up to do high-end DTP. But we just thought you'd like to know that the Amiga can do it as well as any other Personal Computer. Many people did not take the Amiga seriously as a DTP machine at first, but with the software and the hardware that are now available to do it, they have no choice. To a large extent we have Gold Disk to thank for this, for it was they who launched the first ever DTP package for the Amiga, and it is they who have pioneered the boundaries of quality DTP on the machine. Who can say that if *ProPage* had never happened, we would have ever been able to write this feature at all?

Now the area has been opened up, we can expect to see more programs, and programs of a higher quality related to Amiga DTP. Already this month we have brought you news of a new structured drawing package from HB Marketing, and that's just the beginning.

You have the computer, and now you have the software, so just do it. And if you find that you can't do what you want with *PageSetter*, remember that it's only the gate to a very big field.

DYNAMITE



AMIGA A500 PLUS PACKS

STANDARD

Latest enhanced Amiga from Commodore with 1MB of RAM, Kickstart and Workbench Version 2.04. Complete with mouse, TV modulator, manuals etc.

£299.99

CARTOON CLASSICS

Contents as standard pack plus the following: The Simpsons • Captain Planet • Lemmings • DeLuxe Paint III

£324.99

DYNAMITE HEROES PACK

Latest enhanced Amiga from Commodore with 1Mb of RAM, Contents as Cartoon Classics Pack plus: Robocop • Batman - The Movie • Indiana Jones • Microswitch Joystick • Dustcover • Mousemat

£339.99

COLOUR MONITORS

DYNAMITE EXCLUSIVE

PHILLIPS 3332 15" FST TV/MONITOR

High quality FST TV with dedicated monitor output. Complete with remote control, sleep timer, cable and a 2 year guarantee!

PLUS FREE F19 STEALTH FIGHTER

All this for the DYNAMITE price of

£239.99

PHILLIPS 8833 MKII DEDICATED STEREO MONITOR

Complete with cable

£229.99

COMMODORE 1084S STEREO MONITOR

Complete with cable

£229.99

ART • VIDEO • SOUND

DELUXE PAINT II - a bargain! **£9.99**

DELUXE PAINT III - upgradeable to IV **£19.99**

SPRITZ PAINT - joyful to use! **£9.99**

FANTAVISION - special effects generator **£14.99**

COMIC SETTER - create your own colour comic **£19.99**

POWER SCANNER - 100-400 dpi, 64 greyscale **£99.95**

* FREE SPRITZ PAINT WITH POWER SCANNER WHILE STOCKS LAST!

VIDI - AMIGA + VIDI CHROME - start frame grabbing **£79.99**

ROMBO RGB SPLITTER - Can also be used with DIGIVIEW **£59.99**

COMPLETE COLOUR SOLUTION - everything you need + PHOTON PAINT **£129.99**

MUSIC X JUNIOR - brilliant for beginners **£19.95**

4 PORT MIDI + MUSIC X JUNIOR - excellent combo **£29.95**

MUSIC X - latest version for the professional **£49.95**

KLONDIKE DEALS

**DYNAMITE COMPUTERS
DIG DEEP FOR
THESE SPECIAL
BARGAINS....**

CARTOON CLASSICS SOFTWARE PACK

Bart Simpson .v. Space Mutants • Lemmings • Captain Planet **£19.99**

'SCREEN GEMS' SOFTWARE PACK

Back To The Future II • Nightbreed • Shadow Of The Beast II • Days Of Thunder **£19.99**

OFFICIAL COMMODORE A501 1/2 Meg Upgrade **£29.99**

ASTRA TEN GAME SOFTWARE PACK RRP £279

DataStorm • Dungeon Quest • E-Motion • Grand Monster Slam • Kid Gloves • Powerplay • RVF Honda • Shuffle Pack Café • Soccer • Tower Of Babel **£19.99**

GFA BASIC 3.5 INTERPRETER RRP £49.95 **£14.99**

COMPUTERS

DISK DRIVES

FREE DYNAMITE DISK DRIVE STARTER KIT WITH EVERY DRIVE PURCHASED FROM THIS SECTION!
 Starter Kit comprises:- 3 1/2" disk drive cleaner kit • Pack of ten 3 1/2" disks • 40 capacity lockable disk box

3 1/2" INTERNAL	
DIRECT A500 replacement drive, no modifications required	£49.99
3 1/2" EXTERNAL	
PC880A POWER DRIVE featuring anti-click	£49.99
CUMANA CAX 354 slimline drive	£54.99
PC880B POWER DRIVE featuring Blitz/Virus hardware	£69.99
DUAL PC880B POWER DRIVE with power supply	£119.99
GVP SERIES II HARD DRIVE	
GVP Series II HD8 + 52Mb hard disk	£359.99
GVP Series II HD8 + 105Mb hard disk	£539.99
2Mb RAM for above when purchasing drive	£39.99
2Mb RAM without drive	£59.99

STAR/CITIZEN PRINTERS

CITIZEN 120D+ RRP £233.83	£114.99
144/30 CPS, 4K Buffer, 2yr guarantee	
STAR LC20 RRP £233.83	£129.99
150/38 CPS, Multiple Fonts, 240x240 dpi	
CITIZEN SWIFT 9 RRP £280.83	£169.99
192/48 CPS, colour kit option, 2 yr guarantee	
STAR LC200 COLOUR RRP £304.33	£184.99
185/40 cps, with colour & mono ribbon	
CITIZEN 224 (New) RRP £316.00	£214.99
192/80 cps, colour kit option, 2 yr guarantee	
STAR LC24-200 MONO RRP £351.33	£219.99
220/55 cps, 24 pin 360 dpi, 7K Buffer expandable to 39K	
CITIZEN PN48 (New) RRP £381.00	£249.99
Portable A4 notebook printer with 'laser quality'	
STAR LC24-200 COLOUR RRP £410.00	£259.99
220/55 cps, 24 pin colour, 30K buffer	
CITIZEN SWIFT 24e RRP £428.00	£269.99
216/80 cps, colour option, 2 yr guarantee	

ACCESSORIES

Parallel Printer Cable	£3.99
Universal Printer Stand	£3.99
500 sheets of continuous paper	£4.99
Colour kit option for Swift 9/224/24e	£34.95

ACCESSORIES & EXTRAS

Pack of 10 blank 3 1/2" DS/DD disks	£4.99
Box of 50 blank 3 1/2" DS/DD disks ..	£19.99
512K RAM expansion (Plus compatible)	£19.99
512K RAM expansion with clock	£24.99
1Mb RAM expansion (upgrades Plus to 2Mb)	£49.99
Amiga dustcover + Resolution 101 game	£4.99
Quality replacement mouse	£12.99
40 capacity lockable disk box	£3.99
80 capacity lockable disk box	£5.99
150 capacity 'stronghold' box (lockable)	£17.99
6mm quality mousepad	£2.99

ALL PRICES INCLUDE VAT at 17.5%

THE PRICE BLASTERS

HOW TO ORDER



Call us NOW on
0234 214212



Send cheque or postal order to

DYNAMITE COMPUTERS
 Dynamite House
 44a Stanley Street
 Bedford MK41 7RW



NB Please write cheque guarantee card number on the reverse of cheque to ensure same day clearance (cheques without card number subject to 10 day clearance)

Call into our showroom for a fast and friendly service
 Retail/Queries (0234) 364428



DELIVERY CHARGES*



£2.95 for orders less than £100
 £4.95 for orders over £100

Next day express service £7.50

*Charges applicable to UK mainland only

PLATINUM SERVICE CARD

Only £19.99!

Features: •Next day courier delivery
 •30 day exchange for new
 •1 year guarantee giving free collection and delivery should a fault occur

TO PLACE YOUR ORDER PHONE THE DYNAMITE HOTLINE

0234 214212

DYNAMITE HOUSE, 44a STANLEY STREET, BEDFORD



DYNAMITE

Bring your Amiga to

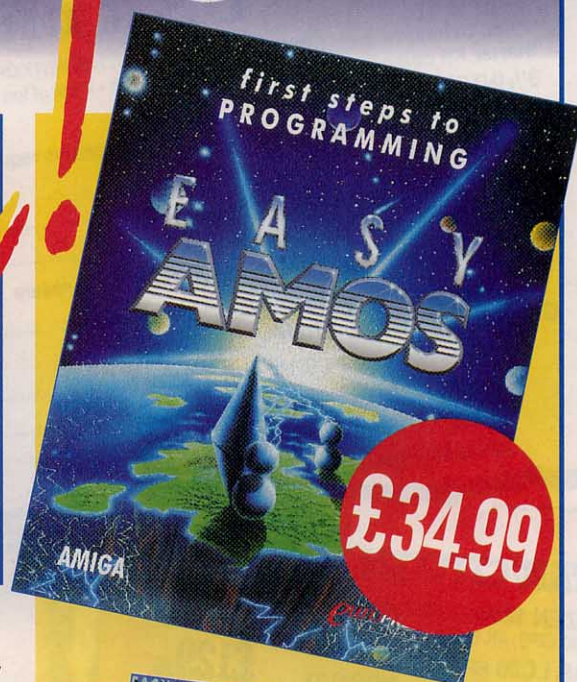
Life!

Have you ever dreamed of making your Amiga really work for you? Or wanted to harness to the full its awesome hidden power? *Well now you can!*

Even if you're a complete beginner, Easy AMOS will propel you into a fascinating new world where you will quickly learn how to:

- Produce impressive graphical effects
- Create and animate colourful objects
- Scroll large text across the screen
- Make your Amiga actually talk to you
- Add exciting music to your creations.

Soon you'll be turning your craziest ideas into reality: Computer art, cartoon animations, home finance, educational software, demos, arcade games, adventures – the list is endless!



£34.99

Programs galore!

Easy AMOS is packed with ready-to-run programs which are carefully explained in simple English. You can quickly understand how they work, and then use the same ideas in your own programs. There's even a beginners' Typing Tutor. Plus a clever database to store personal details of your friends and colleagues.

Creating games

Easy AMOS shows you how to create entertaining programs in next to no time. Included in the package is a Breakout-style game, a racing game for one or two players with parallax scrolling, and a ball game with split screens and multi-directional scrolling. You'll find they've been entirely created using Easy AMOS – and surprised when you discover exactly how they were put together.



What's inside

This programming course consists of two discs and a light-hearted user guide. This is cleverly linked to an electronic coach who tests your progress after you have read each chapter and tried out the example programs. Plus there's an on-screen graduation certificate when you complete the final chapter.

Easy AMOS's step-by-step and fun approach is the simplest possible route to writing your own professional-looking software.

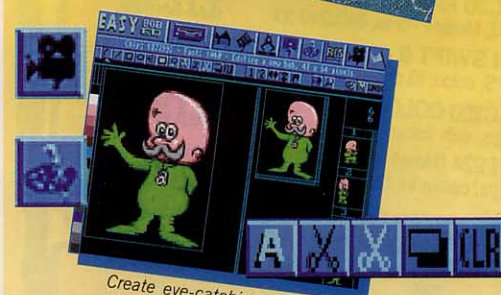
You need 1Mb or more of RAM and three blank discs to use this product.

Easy AMOS is a simplified, ultra-friendly version of the best-selling AMOS Basic programming language.

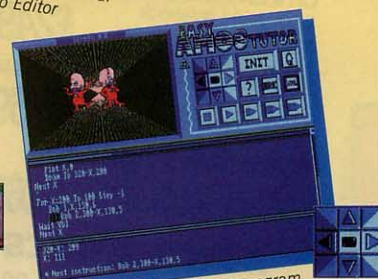
*Make your dreams come to life
...with Easy Amos!*

Easy AMOS is available from all good software retailers including selected Boots, WH Smith & Menzies stores.

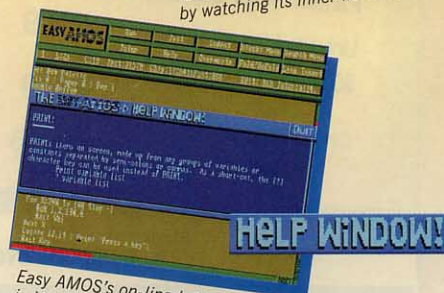
Credit card order hotline – Tel. 051-357 2961. Alternatively send a cheque for £34.99 to Europress Direct, FREEPOST, Ellesmere Port, South Wirral L65 3EB.



Create eye-catching animations with the powerful Bob Editor



Understand any program by watching its inner workings



Easy AMOS's on-line help is just one keypress away

euroPRESS
SOFTWARE

THE POLITICAL CREW

The whole place has gone election-mad and everyone's too busy scoring points off each other to notice that there's a whole world of untaxed action on your Amiga. We collared some of the country's most feared and revered politicians to find out what they propose to do to help Amiga-owners through the recession.

After hours of lobbying MPs in the hallowed corridors of a small bar just off Parliament Square, we managed to talk an entire Commons' Select Committee into reviewing the latest games. As a result, many of them are now under compulsory purchase orders.

But if you think the decrepid old fuddy-duddies in Westminster aren't switched on, you're only half right. Most of them aren't plugged in, wired-up or even close to power. Vote Screenplay before it's too late!

NEIL JACKSON

Joystick-Wagglers Party.
"I'd put a tax on all shoot-em-ups that didn't have high-score tables and bring in legislation to make ownership of seedy Strip Poker games a hangable offence."



CLARE HODGSON

Women Driver's Party.
"The current high level of male-orientated games is unacceptable in a liberated society. Our government will introduce penalties for the use of masculine sprites."



JAMES LEACH

Let's Get Naked And Party.
"If elected, I'd publicly eat my shorts, and then demand that all the sharp corners be removed from joysticks and other peripherals. I would then declare war on Atari."



TIM SMITH

The Hearty Party Party.
"Yes, well it's not as simple as that, really. You must take into consideration the fact that we're all members of one great big Amiga family and as such..." (tape ran out)



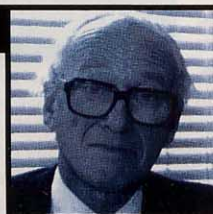
ED RICKETTS

Party of the Third Part.
"Crikey! Is it that time again already? I'd completely forgotten. Well, I suppose I'd have to bring in an automatic right to back-up, and free games for all. Prob'ly."



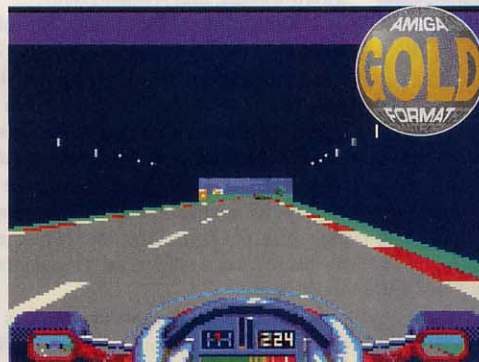
NEIL WEST

Party Animal Party.
"I have never even heard of an Amiga and I would execute anyone seen wearing one in a public place. Now get away from me before I call the police, you parasite."



Screenplay

Hello, good evening and welcome, to the very first Election-night special edition of Screenplay. We'll be following the entire proceedings, watching the results coming in and mumbling on about them until dawn. So why not while away the hours playing something wholesome on your Amiga until the normal programmes return. But first, the results from Bath...



PAGE 56 Is this the fastest ever race game? There's Vroom for one more, if you're quick.



PAGE 62 Fox-hunting, the humane way, can be fun. Don't be a Titus, play this instead.



PAGE 71 TV terrorism or just fun for all the family? Bomberman really is dynamite stuff.



PAGE 77 Is Space Crusade just Hero Quest Plus? Or is it the future of hack'n'slash?

ANDY HUTCHINSON

Life and Soul of the Party.
"I would immediately offer my services as the role-model for all monsters which form the central element in fantasy games. Then I'd retire on the proceeds and watch TV."



LINDA BARKER

Mouse House Party.
"I plan to set free the many thousands of innocent mice that have been forced to lead a life of slavery by corrupt Amiga-users..." (speech interrupted by jeering hecklers)



CHRIS LLOYD

The Not-invited To The Party.
"I remember the times we used to have as children, trying to find games for my Amiga, long before it was invented. I'd make youngsters play cricket instead."



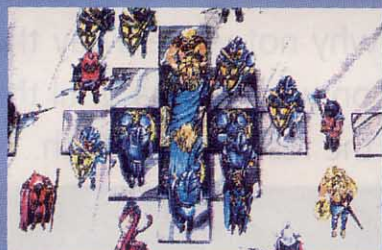
RICHARD LONGHURST

In the Kitchen At Parties.
"If elected (and indeed, if not), I'd force everyone to turn the page and stop wasting time with all this election nonsense. There are Amiga games out there, waiting."



The shelves will be filled to bursting if this month's previews make it to the shops on time. **Neil Jackson** takes a close look at the best of the...

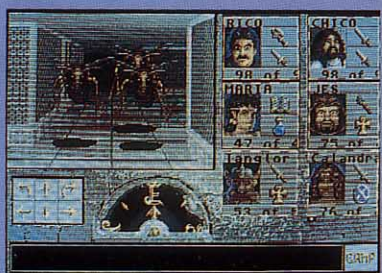
WORK IN PROGRESS



Using *Battle Chess*-style animation, *Mirage's* new *Ragnarok* promises to be something rather special. It's a board game, but it's a few degrees harder than chess, and prettier too.

This month sees the arrival of a brand new software house, *Mirage*, and they're off to a fine start. With no less than four products in development, they've certainly come in with a bang. Their first little gem, a *Lemmings*-style cutesy-puzzle called *Humans*, is previewed in more detail in Under Construction (see Page 48). *Ragnarok*, which is expected to hit the shops in June, is a strategy game based on the mythological battles between rival Norse gods. It's derived from a very old board-game *King's Table* (a bit like chess) and your aim is to protect your king *Odin* from attack. The game is played on a large square board with special squares in the corners; you have to move *Odin* from the perilous centre square to one of these. To protect you, there are many special pieces you can use for blocking and attacking. The work of *Imagitec Design*, *Ragnarok* could be something special if you're a bit bored with shoot-em-ups and Chinese Checkers.

Mirage are also in the process of tying up a deal for another game, called *Ashes of Empire*. We're not sure what it's all about yet, 'cos it's still hush-hush, but as soon as we know, you'll hear about it. In the meantime, mum's the word, OK?



Prepare yourself for another stint of incredibly late nights and bags under your eyes. The sequel to *Eye of the Beholder*, called *Legend of Darkmoon*, is on its way from *US Gold* at this very moment.

Over at *US Gold*, they're busy toiling at their newest SSI games, *Pools of Darkness* and *The Legend of Darkmoon*. Both are part of *US Gold's* catalogue of *TSR Advanced Dungeons and Dragons* games. *Pools of Darkness* is the fourth and final chapter in the *Forgotten Realms* epic, and it's due for completion in May. More exciting, *The Legend of Darkmoon* is none other than the sequel to (wait for it, wait for it)... *Eye of the Beholder*! Yes, it's finally coming – and you should be able to grab a copy next month. From what we've heard, it's one helluva game, making the original *EOB* look like a mere taster. There's far more interaction with characters, a much, much larger area to explore and monsters that'll turn you into an insomniac, all over again.

As if their *AD&D* games weren't enough, *US Gold* are also cracking on with two other likely smash-hits – *Indiana Jones and the Fate of Atlantis*, due for release in May, and *Monkey Island 2-LeChuck's Revenge*, due anyday now. The *Indy* game is an isometric 3D action adventure made up of five separate stages, each with their own different sub-levels. In it you control both *Indy* himself and his friend *Sophia Hapgood* – and unlike most ↪

Coming

B-17 Flying Fortress

MicroProse Expected: June

It's chocks-away time again chaps, as *MicroProse* prepare to take to the skies in another old Second World War crate. This time, they're flying high in the ancient *Boeing B-17 Flying Fortress*, star of the award-winning film *Memphis Belle*.

While it might look like a bag of nuts and bolts tied up with string, the B-17 was one of the hardest planes of the war. It was said that it could still fly with half a wing missing, a feat that was put to the test with alarming regularity, thanks to the 360 degree firing arc of its guns. On more than one occasion B-17s returned home after shooting off their own tail-flaps. And *MicroProse* assure us that you can do this in their simulation too, so beware!

The team responsible for *B-17* is none other than *Andy Craven's* *Vektor Grafix*, no strangers to the world of flight-sims, so great things may be in store. They've set out to provide more than just a simple flight simulation, partly for extra style-points and partly because flying the real B-17 was a two-man job (and that doesn't include the navigator and gunners). The game allows you to perform any one of the tasks involved, from flying to bombing, or merely act as flight manager, directing the mission from the safety of the operations room. Either way, there's a crew of 10 men at stake each time you louse up.

Most of the action takes place in the daytime (as it did in real-life), and this makes you an obvious target for German fighter planes. So self-defence is likely to be as important as hitting your bombing target, and you have no less than eleven on-board guns to do this. And by all accounts, the B-17 was one mean mother – responsible for the destruction of Frankfurt and most of the Ruhr Valley during the Thousand Bomber Raids. It emerged (but not totally unscathed) as the plane with the highest kill-ratio of the war – and not a laser-guided bomb in sight!

Special Forces

MicroProse Expected: May

In a different part of the ever-growing *MicroProse* empire, you'll find the aptly-named *Sleepless Knights* putting the finishing touches to *Special Forces*, a new ground combat simulation. Slightly less "techie" than *MicroProse's* usual output, *Special Forces* is aimed at the younger (or less-experienced) strategy-heads out there. Instead of reams of background information and in-depth strategy, the emphasis is more on action, but with plenty of strategy thrown in to make you think harder.

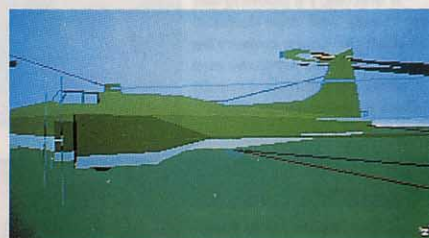
The game puts you in control of four squaddies, each with special commando-style skills, and it's up to you to get them to their mission objective and back home safely.



B-17 doesn't just feature massive bombers – there are also plenty of German fighters to contend with too. Here's one popping out to greet you.



Each mission, 10 gallant geezers were chosen to fly inside the B-17. But the most finely-honed skills couldn't guarantee they'd all make it back alive.



There it is, the airborne death-trap – the *Flying Fortress*. A sitting duck against fighters (as the rear one shows), but deadly against buildings.



Scud-busting, *Special Forces* style, involves creeping up to the launchers and dynamiting them. Bombing them from the air would be far too easy.

Attractions

Deliverance

21st Century Entertainment

Expected: May



With shots like this, it's deliverance from temptation you need. But before you get put off (or turned on), you should know she's part of the plot – not just a lame excuse for digitising the artist's girlfriend. You have to battle through four levels of beat-em-up and rescue some fairies from Satan's lair. It's too hot for clothes there, innit? OK, maybe it was a lame excuse...

Steel Empire

Millennium Expected: May



This epic strategy war-game looks set to dispel all the myths about computers being antisocial, because up to five players can battle against each other for world domination. And there's nothing antisocial about that, is there? You control an ever-growing country and your aim is to invade and hold the rest of this futuristic world. Armed with the latest in combat cybernetics, your team has to be tougher and smarter than your enemies' if you're to survive.

Global Effect

Millennium Expected: May

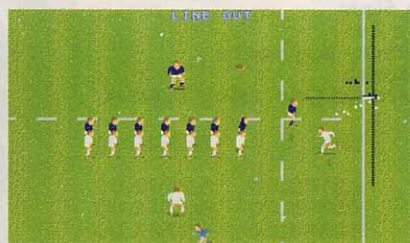


Combining the best elements of *Sim City* and *Sim Earth*, with *Populous*-style elements thrown in for good measure, *Global Effect* promises to be a "must-have" for all you god-heads. Long term survival strategies meet environmental catastrophes head-on in this battle for eco-friendly megalomania. As you read this, the final testing is taking place at Millennium's HQ. Look out for the whole world under the macro-scope next month.

World Class Rugby

The 5 Nations

Audiogenic Expected: May



Just in time for the Five Nations Championship, Audiogenic announce an updated version of their *World Class Rugby*. It's been revamped as a result of suggestions from game-players (and *Amiga Format*'s old Screenplay Ed, Trenton Webb too). The new version has better artificial intelligence, action replays, and simpler controls. Who says software houses don't listen?

Alcatraz

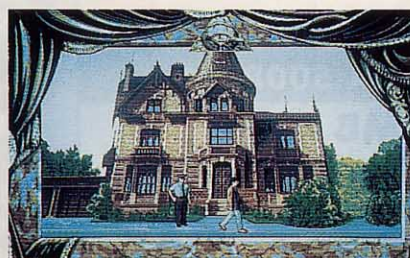
Infogrames Expected: May



After a long, long time in coming, Infogrames' *Alcatraz* at last makes a break for freedom. This one or two-player action beat-em-up puts you in command of a mission to eradicate a bunch of sicko drug-dealers who're holed up in the old Devil's Island long-stay hotel. To help, you have an entire armoury at your disposal. There's plenty of action and excitement, and it's from the same team who brought you *Hostages*. We'll be checking it out in depth next issue.

Dark Seed

Mirage Expected: May



Aliens fans, this could be what you've been waiting for... Oscar-winning surrealist, HR Giger, the man behind the freaky bio-mechanical artwork, teams up with Los Angeles software house CyberDreams to bring you a new sci-fi adventure. Highlights include a fully-digitised central character, based on a real person, which moves in perspective, and animated metallic sprites which carry reflections. Dunno 'bout you, but we can hardly wait...

⇒ isometric games, you have the ability to move the camera around so you need never lose sight of them. *Monkey Island 2*, however, follows the tradition set by its predecessor, with all the humour you can swallow and a solution so twisted you'll be beside yourself. If we can stop ourselves laughing in time, we'll bring you a review of this in time for next month. You can be pretty sure *LeChuck's Revenge* is hotter than a small planet between Mercury and the Sun, but it's better to be safe than sorry.



A Desk of My Own, Episode 35. David Birch of Thalamus visits Arsenal football club and asks: "Just how important do you have to be to justify two phones on your desk, and a bronze model of an ancient Howitzer?"

In a different league altogether, the football craze we saw last month still doesn't seem to be over. *Thalamus* have announced a tie-up between themselves and the team that fluffed the FA Cup, Arsenal. Sometime over Easter, they're hoping to release the snappily-titled *Arsenal FC – The Computer Game*. It'll feature plenty of arcade action, and a management section to boot. We've not seen hide nor hair of it yet, so we could be waiting for a late kick-off. The Hammers' biggest rival, Liverpool, are also the subject of (yet another) computer-footie game, called, er, *Liverpool*. *Grandslam* are busy tackling this arcade-style kickabout, although we reckon with a name like *Grandslam* they should be doing rugby games. You can take your pick from league games or FA Cup challenges, but unlike the "sick-as-a-parrot" Liverpool team, you could also go on to win the European cup. Bad luck, lads!



An old farmer once said: "It's only any good if there are flies still crawling over it." Somehow, we don't think he was referring to *Apidya* at the time, but there's still a truth in there somewhere.

And finally, news of a strange infestation soon to hit your Amiga. A swarm of insect-related games looks likely to plague us during May. *Blue Byte*, the team behind the excellent war-game, *Battle Isles*, are trying their hand at shoot-em-ups. Their *Apidya* is a *Nemesis*-style bug-hunt, pitching you against hordes of giant mutated insects. Its fast-scrolling, full-screen action looks the business, but the game is tough to play, and you'll need six arms to defend yourself from the leaping grasshoppers, queen bees and mega-wasps. Meanwhile, *Ocean* are getting ready to unleash yet more bugs, in the shape of Maxis' new *Sim Ant* – a true Ant-farm. You control a colony of ants in its mission to overrun some poor fool's house, driving him out in the process. You act as Ant God, laying scent trails, leaving food and instructing the ants to reproduce. Yecch! The whole place is beginning to stink of formic acid, so we're off to get a kettle of hot-water and call Rentokil.

Mail order specialists since 1983, Dimension Computers offer a huge range of PC's and peripherals from the World's leading manufacturers at substantial savings.

ALL PRICES INCLUDE VAT

DIMENSION COMPUTERS ltd.

**DIMENSION HOUSE,
HIGH STREET,
LEICESTER LE1 4FP.**

Open: Monday – Friday
9.30am – 5.30pm

Open: Saturday
9.00am – 5.30pm

THE MIDLANDS' LARGEST COMPUTER DEALER

AMIGA

500 + Computer
Commodore mouse
TV modulator
Power supply
Workbench disk
Workbench extras disk
All leads and manuals
Mouse mat
Joystick or disk box



3 blank disks
Help sheet
PD catalogue
1Mb memory

The Simpsons,
Lemmings,
Captain Planet,
DPaint III
Plus 16 more games

21 Utilities including FINDEX (card style database). SPREAD (spreadsheet). TEXT ENGINE (wordprocessor). VIRUS X (checks for/kills viri) complete with full operating instructions on disks

SPECIAL PRICE £349.00



Commodore CDTV

Lemmings, Hutchinsons
Encyclopedia control pad **£459.00**

As above, plus
external 3 1/2" disk drive..... **£499.00**

As pack 2 plus stereo
speakers, internal amplifier.... **£529.00**

KEYBOARD £49.95

BUSINESS SOFTWARE

Mavis Beacon Typing **£29.99**
Pen Pal **£74.99**
Kindwords 2 **£44.99**
Infofile **£44.99**
Deluxe Paint 4 **£84.99**
Mr Backup Pro **£27.99**

PHONE FOR COMPLETE RANGE

AMIGA 1500 BUNDLE

Includes:

**DELUXE PAINT III
PLATINUM THE WORKS
HOME ACCOUNTS – DIGITA
LEISURE SOFTWARE**

£549.00

MEMORY EXPANSION

ZYDEC 512K + CLOCK **£29.95**

ZYDEC 512K NO CLOCK **£24.95**

A500 + 1Mb Trapdoor Expansion... **POA**

MEMORY CHIPS FOR H/DRIVES:

256K x 4 drams **£9.99**

1Mb x 9 simms..... **£49.99**

PRINTERS

Panasonic

Canon

SEIKOSHA

Star
COMPUTER PRINTERS

1170 **£139.82**
1124i **£233.82**
1123 **£176.25**
1624 **£374.82**
P4450i LASER **£1227.87**
P4420 LASER **£771.97**
4455 LASER **£1761.32**

BJ10EX **£233.82**
BJ300 **£421.82**
BJ330 **£468.82**
LBP4 Plus LASER **£750.82**
LBP8 Plus LASER **£1256.07**
Mk III LASER **£1209.07**

SP2400 **£139.82**
SP1900+ **£111.62**
SL92 **£186.82**
SP2415 **£222.07**
LT20 (under laptop) **£257.32**
OP104 LASER **£668.57**

LC200 COLOUR **£186.82**
LC24/200 **£215.02**
LC24/200 COLOUR **£264.37**
LC20 **£128.07**
LC15 **£227.95**
LC24/10 **£175.07**
LC24/15 **£386.57**

FR10 **£229.12**
FR15 **£325.47**
ZA200 **£316.07**
ZA250 **£410.07**
XB24/200 **£386.57**
XB24/250 **£464.12**
Starlaser 4 LASER **£692.07**
Starlaser 8 LASER **£821.32**
Starscript 4 LASER **£1009.32**
Starscript 8 LASER **£1455.82**

MIRACLE

Piano Teaching System incs. Professional Keyboard designed to work with your Nintendo, IBM PC & Compatible computer or Commodore/Amiga

£289.99

MONITORS MONITOR TV's

GOLDSTAR MONITOR/TV

14" remote control TV 40 programme memory capability full function on screen display **£189.00**

PHILIPS 8833 MK II (inc lead) £219.00

ALL PRICES ARE SUBJECT TO CHANGE WITHOUT NOTICE.

ALL ITEMS SUBJECT TO AVAILABILITY. ADD £7.00 PER BOX CARRIAGE AND PACKING ON ANY ORDER.

GOODS ARE NORMALLY DESPATCHED WITHIN 2 WORKING DAYS OF CLEARED PAYMENT BY OVERNIGHT COURIER.

PLEASE ALLOW 7 WORKING DAYS FOR CHEQUE CLEARANCE.

DRIVES

SUPRA H/Drive 52 Mb + utilities **£339.00**
EXTERNAL 3 1/2", long length lead, on/off switch, thru-port **£59.99**
INTERNAL 3 1/2" replacement drive **£69.00**

ESSENTIAL ITEMS

QTEC MOUSE **£19.99**
ZYFI STEREO SPEAKERS **£39.95**
DELUXE WORKSTATION (A500) **£49.99**

**SALES &
ENQUIRY DESK**
0533 517479 / 621874
FAX ENQUIRIES
0533 511638





Was the wheel man's first great invention, or did we stumble upon it blindly one day?

Neil Jackson wonders whether it was all a big accident, or if *Humans* holds the real truth.

Charles Darwin had some pretty radical ideas about the origins of mankind, so much so that he was branded a blasphemer and a heretic by the religious men of his time. It's anyone's guess what they would have made of *Humans* (assuming there was an Amiga to play it on), the latest game in the pipeline from the new software house, Mirage. *Humans* is a mildly mocking look at the development of our early ancestors, Homo Bitmappus, as they struggle to cope in the prehistoric era. If Darwin had seen it, he may have been forced to change his mind.

Imagitec, the Dewsbury-based team responsible for the programming of *Humans*, have big plans for their pixellised forefathers. They're gearing themselves up to do no less than three different games, all based around the continuing development of our race. The first of the three (the one you see on these pages) is subtitled 'Introducing the Humans', and it concentrates on the very earliest moments in our civilisation, from the discovery of fire to the creation of the wheel.

The original idea for *Humans* came from one of Imagitec's former employees, Rodney Humble, after playing Psygnosis' widely-acclaimed *Lemmings*. Rodney, inspired by the puzzle element of the game, developed his ideas and then drew them all out as storyboards which were then passed on to the Imagitec programmers to turn into *Humans*.

Simon Golding, the producer responsible for all the versions of *Humans*, was quick to point out that the *Lemmings* connection was not something they were embarrassed about: "We're trying to get away from the idea that

Humans is full of Lemmings-type logic puzzles. For example, once you've got the first little caveman over the collapsing bridge, how do you get the rest of them across the chasm?



Humans

Mirage Expected: June

Coding for the project began in December last year, with Dave Lincoln, who programmed *Suspicious Cargo* for Gremlin, handling the Amiga version. Dave uses the industry-standard Snasm assembly system from Cross Products, writing the code on an editor, using a PC and porting it to his Amiga for testing. During this process, graphics were created by Mick Hanrahan (who did the artwork for EA's *Ferrari FI*) and Andy Gilmour (of *Zone Warrior* fame). At the same time Ian Howe and Barry Leitch, the musicians behind the *Silkworm* soundtrack and a host of other Gremlin titles, were slaving over the tunes for *Humans*. And once it's all finished, work begins on the next two stages in the trilogy.

Simon firmly believes that the sequels must develop the *Humans*' technique even further. "We'll use the same style, but we may upgrade the graphics to make them even larger," he said. "But we don't want to just upgrade the graphics and have the same game - that would be a waste of a good idea. We'll be developing the gameplay each time to give you more puzzles and more gameplay twists."

The next instalment in the trilogy is *The Age of Chivalry*, which charts humans' success with more complex devices like catapults and castle drawbridges. In it, you'll be able to fire one of the more daring members of your clan over the battlements, Robin Hood fashion.

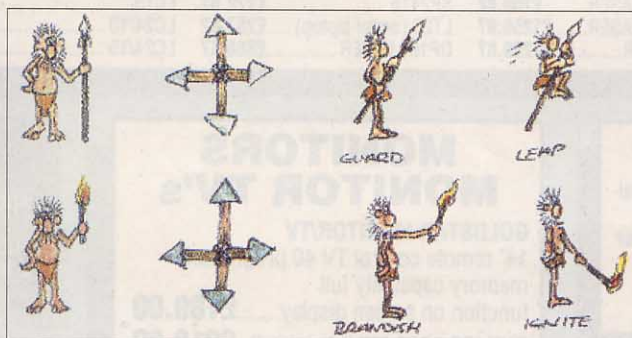
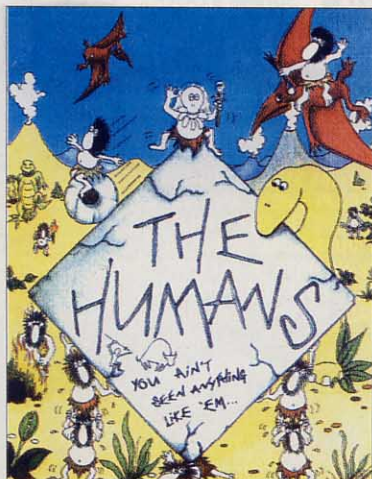
Sometime next year, part three is due to hit the streets, in the shape of *Humans in Space*. Imagitec hope this will see mankind struggling to make its mark with various electronic gizmos, electric doors and androids, but as yet very little work has been put into the scenario. As soon as news starts to filter through, we'll let you know more. Until then, prepare yourself for plenty of late nights spent giggling at your Amiga's screen, watching your alter egos take their first tentative steps towards civilisation.



Teamwork is often the only way to solve some of the trickier problems. By getting the cavemen to stand on each other's shoulders, you can climb up the sides of cliffs.

Humans is a *Lemmings* rip-off," says Simon. "It's not! We were inspired by it, but *Humans* is totally different, with bigger graphics, a more cartoonish feel, and with much funnier moments throughout the game. The levels, too, are quite a bit more varied in terms of their style and tactics."

CUTE CARTOON CAVEMAN CAPERS



Lemmings' secret wasn't just gameplay - it was the cute graphics. *Humans*' intro screen (left) follows the trend in an effort to make the cavemen more appealing than the hairy-faced foul-smelling beings you'd expect them to be. The artwork above is a sketch which Imagitec intend to use as a guide for the icon display. In the finished game, you'll click on the relevant image to make your cavemen perform bizarre actions with fire.

What do you call the most superb role-playing
adventure of them all?



LEGEND



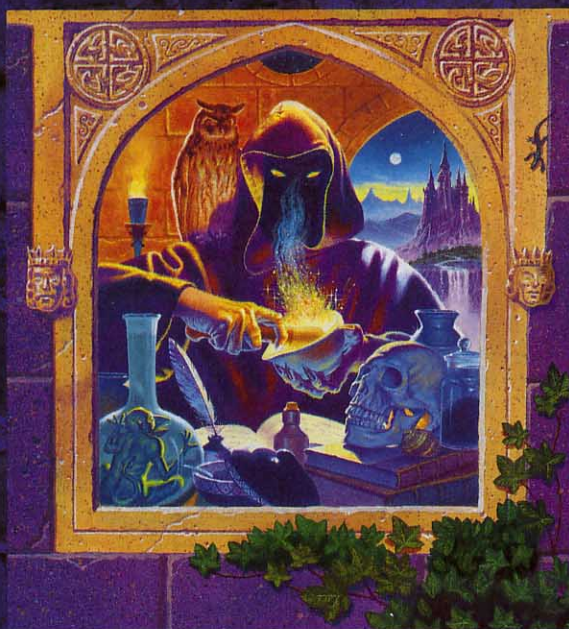
*Stunning realism.
Complex interaction.
A deeply absorbing
plot. Brilliant 3-D
arcade action.
Superlative magic
system.*

*Legend has them
all.*

*From the team that
brought you
Bloodwyche, Legend
takes role-playing to
unimagined new
heights in a richly
drawn plot that will
take even the most
determined player 40
hours to unravel.*

*By combining all the
best features of the best
RPG's of old with a
host of startling new
features, Legend surges
out of the pack to take
pole position as the the
finest role-playing
adventure yet.*

*Available on PC, Amiga and
Atari ST.*



- ❖ Four independent characters controlled simultaneously.
- ❖ Character generation system.
- ❖ The most powerful spell-casting system yet devised.
- ❖ Strategic decisions made on world map.
- ❖ Film quality animation.
- ❖ Constant and absorbing interactivity.
- ❖ Isometric dungeon viewpoint.
- ❖ Quests within quests.
- ❖ Multi-tasking combat.



M I N D S C A P E

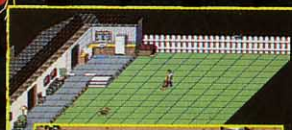
For your local dealer, contact:

*Mindscape International Ltd, Priority House, Charles Avenue, Burgess Hill
West Sussex RH15 9PQ. Tel: 0444 246333. Fax: 0444 248996*

© Copyright 1992 Anthony Taglione & Peter James. Published under
exclusive licence by Mindscape International Ltd.

The Electronic Ant Colony

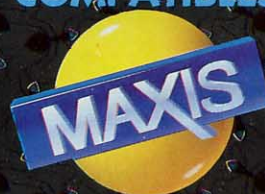
SIMANTTM



Ants. You've shared your food  your home  and your planet with them. you've stepped on them  sprayed them  cursed them and bombed them. Now you can be them.

CBM AMIGA • APPLE MAC • IBM PC & COMPATIBLES

ocean[®]





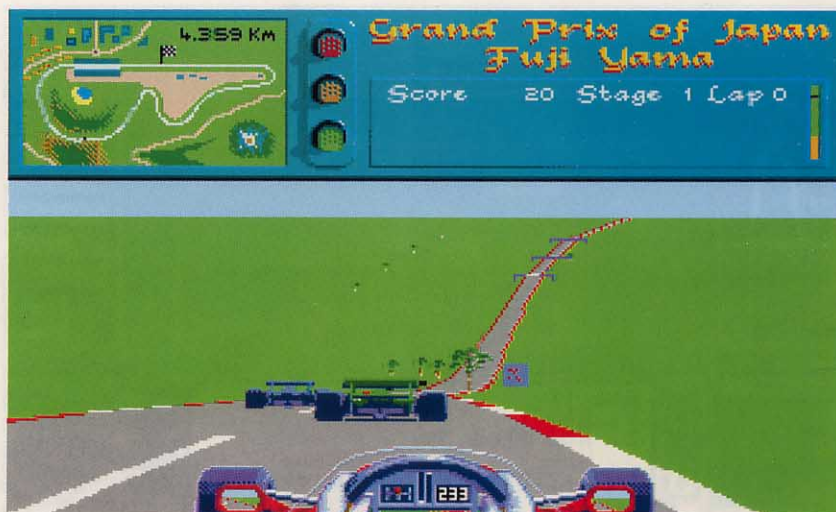
Pour on the speed (and then wipe it off with a damp, clean cloth) in Vroom, UBI Soft's challenge to the huge mound of racing games that are already out there. It's fast, it's fun, it's funky, but most of all it's French.

Vroom

Let's be honest right up front. Any racing game released from now on is going to have to withstand immediate comparison to MicroProse's *Formula One Grand Prix* before it even gets off the starting line. But *Vroom* is a different sort of racing game altogether (cue chorus in the background: "Vroom is a different sort..."). While it's not nearly as simplistic as, say, *Cisco Heat*, it certainly doesn't pretend to be definitively realistic.

Under your control is a very fast car indeed. This car is controllable either with the joystick (the wimp's option) or the mouse. In a previous incarnation the game forced you to use either the mouse or joystick for particular modes - enough to put you off the game completely at first. The Amiga version removes this restriction (at the request of many frustrated players) and it makes the game much more approachable.

At first you shy away completely from mouse control, because it's so damn difficult: you need to push forward to accelerate, pull back to brake, use the left and right buttons to change gear, and steer at the same time. Once you get used to its subtleties, however, you realise it's by far the best control method, offering you far more precision than a joystick can. Automatic and manual gears are available in both modes - again, manual is the best option once you're used to the car.



Get out of the way, you stupid Japanese - er, racing driver! This long straight bit with the awkward corner at the bottom gets you every time on the first track.



Whizzing through a covered section you find what appears to be some sort of obscure stationary accident happening on the side of the track...



The fun! The speed! The crashes! The stupid placement of the indicator lights which mean you can only see them when you're turning a corner!

The game offers three very different modes to race in. Training allows you to pick the number of laps and the circuit to race on, from the six included (Anderstorp, Castellet, Zeltweg, Silverstone, Watkins Glen or Mount Fuji). It's basically a chance to whiz round each circuit and try to beat your best lap time without any other competitors getting in the way.

Even better is the 'Help' key that bails you out at any time by putting you back parallel to the track edge. In Arcade mode you need to pass a certain number of cars on each lap to qualify, and of course this number increases the farther you get.

A day at the races

There's also a somewhat informative Demo mode, which shows you all the best places to crash. Actually, having a quick shufti at the demo before you attempt a lap is a good idea. There's nothing worse than coming cold to a course, screaming around what looks like an easy bend and rapidly making the acquaintance of a hoarding by the side of the track.

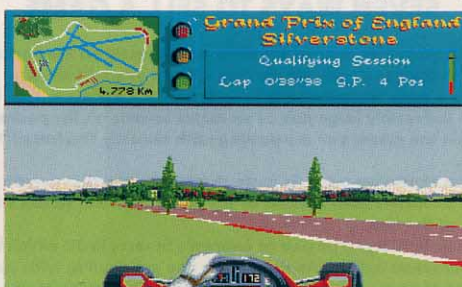
But the real biggie is the Competition mode. This is a full championship, with names (authentically humorous ones like Latreze and Mainsail being provided by the game) and times are recorded after each race. You need to race a qualifying lap before each circuit to place yourself on the grid, and since you have to work your way through each and every

OH LOOK, THAT LITTLE RED LIGHT'S COME ON! IS THAT IMPORTANT THEN?

The only things you need to keep an eye on during a race (apart from the map) are the tyres, your petrol and your engine.



The easiest thing to forget about is your petrol level. Again you can get a top-up at the pits. Of course that's no good when you're on the other side of the track and you run out of gas, forcing you to sit on the track like a soporific lemon until the race ends.



Tyres can become knackered if you take too many detours on that attractive grassy bit next to the track. The car rattles up and down like an aged Metro and you'd be advised to stop off at the pits and get the tyres changed. Otherwise corners become a problem.



Top tip number one: don't do 250mph in first gear. Too much abuse and the engine gets really ratty and explodes - you can see the flames in your rear-view mirrors. And you only get the one for each race - no pit stop in the world can help you there.



Crashing: it's not good for your car, it's not good for your time (you lose valuable seconds as your car is put back on the track) and it's not good for you. On the whole, best avoided really.

circuit in turn it's best to make use of the Save and Load Game facilities. One fairly minor point to note here: you save names and times direct onto the game disk, which means a) you can't keep different sets of stats and b) there is always the possibility of something going horribly wrong with the drive while you are saving, which would leave you with a completely useless game disk.

One of the most enjoyable options is the modem link. Connecting up two Amigas with

your tyres are OK. And as usual, none of the other competitors ever crash - though they do stop at the pits. In fact, they usually do this just when you want to, and naturally you don't actually see them until you're approximately three feet from their rear tyres in what you thought was an easy swerve-into-the-pits-for-a-gas-fill-up manoeuvre.

Yes indeed, it's straw-clutching on a major scale when it comes to criticism, because, to put it bluntly, *Vroom* is most excellent. It's got

"Vroom is a top class game with tons of careful programming behind it."

a null modem cable allows you and a friend to race each other one-on-one. This, of course, leads to much verbal abuse as one player crashes and has the humiliation of watching the other sail briskly by.

Days of thunder

Vroom is fast, much faster than *F1 Grand Prix*. The graphics crack along at a phenomenal rate, and although this is partly because of their simplicity (relatively speaking), you can't help being impressed. Hills and hollows are incredibly realistic, so much so you find yourself swaying with the car as it rounds a bend or crests a hill. Accompanying this to perfection is the meaty growl of your engine and the Doppler-effect enhanced sound of all the other cars screaming past you. Whack the volume up and you can become completely lost. The intro music is suitably tacky too.

As you might expect, it's not all wonderfulness, though you really have to grope to find anything seriously wrong. The game's instructions are pretty poorly translated and are probably worth reading through two or three times. There's a Zoom function available during racing which is supposed to alter your view but seems to do hardly anything at all, certainly nothing useful.

The indicator lights are situated right under your driver's hands, so they're completely obscured unless you're turning a corner. Someone ought, perhaps, to have pointed out that screeching around a corner at 190mph perhaps isn't the best time to check if

the graphics, it's got the speed, it's got the sound (which is so often a disappointment in race games), and most of all it's massive fun to play. You really can see an improvement in your driving after many hours of practice, and there's always the hope that eventually you may crack the championship. There's no doubt about it, *Vroom* is a top-class game with tons of careful programming behind it and game-play which grabs you where it hurts. (Pity about the title though.)

Ed Ricketts

Vroom Ubi Soft ■ £25.99

- Incredibly smooth and nippy graphics almost have you gasping for breath.
- Not a game for the casual or undetermined player. This one needs plenty of playing.
- No fancy out-of-seat views or replays, but then it doesn't need them.
- Stonking sound effects which deserve to be routed through your hi-fi, just to annoy your neighbours.
- Choice of mouse or joystick control is a boon - one's hard and precise, the other's easy and loose.



"Cruise for a Corpse was murderously good, The Secret of Monkey Island sent everyone ape, but now 'point and click' graphic adventures are set to undergo a REVOLUTION"

{AMIGA FORMAT}

...All real change must come through revolution...

Anon

Make child's play of programming your video...

That's right! If you've ever made a mistake with your video then Merlin have the perfect answer! No more taping the wrong channel, no more taping at the wrong time. Because, with the new VideoPlus+™, programming your video is as easy as making a phone call... even if you're an adult!

Video programming is a really simple operation with VideoPlus+™. Just look in a host of publications from December 6th (including all your favourite publications*) that will be printing all the important Video Pluscode™ numbers you can easily tap into your own Video Plus+™ handset... VideoPlus+™ will do the rest, automatically by infra-red.

It will turn your video on, set the channel, set the length of time to record, and when your selection has finished, it will switch your video off! And all from just one number!

What you need... VideoPlus+™ works with most popular makes of video recorders that have infra-red remote control and, for the first time, virtually all satellite receivers! Video PlusCode™ Numbers...

You'll soon see these Numbers next to prog. listings in around 78 million issues of national papers & TV guides.

What do you get in your new VideoPlus+™ Pack?

You receive a COMPLETE pack, even down to the batteries, which is instantly ready to use and supplied already set up to Greenwich Mean Time...

- One Handset with batteries fitted, set to GMT and ready to use straightaway.
- One detailed easy to follow 'Getting Started' manual and one 'Troubleshooting Guide'.
- One watch and wipe tutorial video featuring Michaela Strachan; to help you make the best of your new VideoPlus+™.

What after sales support do you get when you buy your VideoPlus+™?

Should you experience difficulties in setting up your video or satellite, VideoPlus+™ will be there to help with a customer service helpline including free exchange systems and full money-back warranties too! All this for your total peace of mind in VideoPlus+™.

Publications carrying Video PlusCode™ Numbers...TV Times, What's on TV, Daily Mirror, Sunday Mirror, The Sun, News of the World, The People, Today, The Times, The Sunday Times, Daily Mail, Mail on Sunday, Evening Standard and Sporting Life.

To make YOUR video programming as simple as making a phone call... simply make a phone call...to Merlin Express! A revolutionary product for just...

£59.99

(inclusive of VAT and delivered to your door)

VideoPlus+™, Video PlusCode™ and INSTANT VIDEO PROGRAMMER™ are trademarks of Genstar Development Corporation

To order...

Just phone our telesales office on 0602 441442 using your Access, Visa or Switch card or, send a cheque/postal order to the address shown below.



Your goods will be despatched on the day of clearance of payment by recorded delivery. Or a courier service is available at either £6 (2 working days) or £7.50 (next working day).

MERLIN EXPRESS LIMITED
UNIT C7, THE ROPEWALK INDUSTRIAL CENTRE,
STATION ROAD, ILKESTON, DERBYSHIRE. DE7 5HX.

24 HOURS
ORDER
LINE

TELEPHONE: 0602
441442



“Acclaimed as a
revolution in
game design,
Revolution Softwares’
goal is to change the
conventions of
role-playing games
forever with...”

{ GAMES X }

...Art is either a plagiarist
or a revolutionist...

Gauguin



SOLUTION

TOTAL AMIGA COMPUTING

From Commodore

The World's Largest Supplier of Computers

AMIGA A2000 SERIES

- Motorola 68000(7.14 Mhz) 16/32Bit
- 1Mb Ram Exp. to 9Mb Max
- 1x 3.5" 880K Internal Floppy Drive
- 5 x Amiga Slots + 4 x IBM Slots(2XT)
- WIMP Controlled Operating System
- 94 Key Qwerty Keyboard
- 2 Button Mouse
- Amiga Chip Set

A2000	CPU	MONITOR
52 MB	£ 999.00	£1248.00
105MB	£1199.00	£1448.00
210MB	£1399.00	£1648.00

AMIGA A3000 SERIES

- Motorola 68030/68882 FPU 25Mhz
- 2Mb Ram Exp. to 18Mb Max o/b
- 1x 3.5" 880K Internal Floppy Drive
- 5 x Amiga Slots
- Amiga Chip Set
- 94 Key Qwerty Keyboard
- 2 Button Mouse
- WIMP Controlled Operating System

A3000	CPU	MONITOR
52MB	£2199.00	£2549.00
105MB	£2395.00	£2745.00
210MB	£2545.00	£2945.00

AMIGA A1500 SERIES

CPU
Motorola 68000(16/32-bit)
7.14Mhz Clock speed
1Mb Ram(Expandable to 9mb max.
with additional memory board
2 x 3.5" 880k FD

MONITOR
1084S/PHILIPS CM8833 II
CURRENT SOFTWARE BUNDLE

Deluxe Paint III
The Works Platinum
Home Accounts
Puzznic
Toki
Elf

KEYBOARD & MOUSE

£899.00 INC.VAT

AMIGA A1500 IS A FAST EXPANDING MACHINE WHICH IS IDEAL FOR YOUR EVERYDAY COMPUTING NEEDS. SUPPLIED WITH UP TO DATE SOFTWARE AND HARDWARE TO KEEP YOU IN TIME WITH THE FAST MOVING COMPUTER INDUSTRY. ALL HARDWARE AND SOFTWARE FOR THE A2000 ARE FULLY COMPATIBLE.

ACCESSORIES

HARD DISK CONTROLLER CARDS
HARD DISKS
RAM EXPANSIONS
MEMORY CHIPS/SIMMS
FLOPPY DISK DRIVES
GRAPHICS BOARDS
GENLOCKS/VIDEO
SCANNERS
LASER PRINTERS
MONITORS
PROCESSOR CARDS
IBM BRIDGEBOARDS
AUDIO ACCESORIES
MODEMS/FAX CARDS
CABLES
SOFTWARE(NON-GAMES)
PLEASE CALL ON LATESTED PRICES

CDTV



£499 inc. VAT

Commodore Business Centre carries a large range of CDTV accessories including: Keyboard, Disk Drive, Trackball & most CDTV software.

AMIGA 500PLUS

1MB RAM
Workbench 2.04
Cartoon Classics Pack
£359 inc. VAT

- MULTIMEDIA
- DESKTOP PUBLISHING
- DESKTOP VIDEO
- DESKTOP PRESENTATION
- VIDEO TITLING
- 2D/3D GRAPHICS
- 24BIT DISPLAYHARDWARE
- MUSIC
- EDUCATION
- SCANNING
- IMAGE PROCESSING
- NETWORKING

At London's
Commodore Business Centre
 you will find
 helpful sales and technical
 staff able to offer you
 informed advice on
 choosing a
 computer solution.
 most systems advertised
 are on demonstration and
 can viewed in an
 everyday work
 environment.
 Alternatively, you can use
 our efficient mail order
 service with
 the assurance of quality
 products and support.

**ALL MAJOR
 CREDIT CARDS
 ARE ACCEPTED.**



This ad was produced on an Amiga A3000 using Professional Page 2.1 By CBC Staff.

Telephone: 071 833 5609
Facsimile: 071 837 1264

All Prices Exclude 17.5% VAT Unless Otherwise Stated

**Commodore
 Business Centre**



Commodore Business Centre
 61 Russell Square
 London WC1B 5BB
 Telephone: 071 833 5609
 Facsimile: 071 837 1264



A hostage makes a (none-to-carefully timed) dash to freedom from behind an ammunition case. The body-count indicator at the top of the screen confirms that he's made it OK. Only nine more to go and you've completed the level.



Half the action is fought through horizontally-scrolling rooms. The other half is in semi-3D as our brave hero ventures down corridors.

Also at your disposal is a Blade Weapon and a Freeze Gun that turn even the most animated or over-excited alien fiend into a sitting duck. These weapons (along with body armour and energy restorers) can be found hidden within the crates and wall-mountings that make up the interior of the crippled ship, so just keep blasting away and you'll soon be rewarded.

Actually, you can't shoot all the time. Every now and then a hostage will make a dash for freedom. Allow him to run off screen and a 'Thank you' message informs you you're a step closer to your objective. Also, the special weapons need time to recharge (not to mention your trigger finger) so pausing for breath is advisable. But apart from these minor inconveniences, it's just blast, blast, blast.

All the right stuff

As an *Operation Wolf* clone, *Space Gun* has got all the right ingredients. The action is fast and furious, stretching reflexes to the limit. The graphics are excellent, the sound effects suitably gruesome and there are loads of different alien scum to blast. If *Light Phaser* games are what you like, then you won't be disappointed. But there's just not enough 'real' game here to convert the uninitiated.

Neil West

Space Gun

Are you the proud owner of a Trojan Light Phaser? Well this is a blast-em-up just for you. So sit down, dig out the Dirty Harry Ray Bans and let the evil alien hords of 2039AD deep space make your day.

Of course, you don't strictly need a Light Phaser to play *Space Gun*. But the *Operation Wolf*-style gameplay is farcical if approached with a joystick and unconvincing (it's not really Clint Eastwood's style is it?) with a mouse. So to get the most from this game, it's standard-issue Light Phazers all round.

You play the part of a trigger-happy crew member aboard an exploratory craft, bravely going where no person has gone before. A distress signal has been received from a crippled spaceship and so (pausing only to grab your trusty Phaser, dash for the transporter room, painfully pick yourself up from the floor, go back and unplug your trusty Light Phaser, and head for the transporter room again) you mount your heroic rescue attempt.

The crew of the crippled ship have been taken hostage by a gang of extra-terrestrial hard nuts. So you must explore (well, allow yourself to be led down) all the corridors and passages of the ship, shoot all the aliens, allow the hostages to run for safety and then make good your escape.

Going Solo?

Two players can join the action together (although only one of you can brandish a Phaser) and the combined fire-power enables you to get a lot further through the game than



in a one-player romp. Yes, the aliens are tough. Very tough. So unless you are Clint Eastwood, you'll have to rely on your special weapons and a steady flow of power-ups if you're going to make much solo progress.

Your basic weapon is a standard Han Solo-issue blaster. It will kill anything, eventually. But diligently keeping an unfortunate alien in your sights often allows his mates to sneak round the side and plant one on you. So you've got a choice – either keep spraying the entire screen with a liberal helping of photon death, or concentrate on grabbing yourself some porkier military hardware.

You start off with two extra weapons: a flame-thrower (usually packing a short, sharp shock to persuade any untoward alien to mend his ways) and a grenade launcher that will send an alien in so many different ways that any thoughts of mending anything can be scrapped.

Doesn't look very good out there does it? There's an eight-limbed alien fiend brandishing his latest manicure, a blood-sucking, err 'blood sucker' firmly attached to your visor. And to top it all it's raining liquidised alien remains.

Space Gun Ocean ■ £25.99

- Alien (the film)-esque monsters and backdrops set the theme for your deep-space rescue attempt.
- Solid blasting action all the way.
- The two-player action is a nice touch, but it's easy to get confused as to whose cursor belongs to who.
- Hasn't this genre of game got boring yet? There's nothing here for anyone other than the real *Light Phaser* fans.

Verdict **57%**



A quick tap of the ALT button and your 'special weapon' sights are displayed.

The screen scrolls its inevitable course from left to right, introducing still more aliens.

* * * * *

* Price Busters!! *

* Graphics & General Hardware *

Advantage	64.99	A1500 CPU Case.....	169.99
Art Department Pro 2....	139.99	A1500 Accessories.....	CALL
Big Alternative Scroller ...	34.99	A1500/2000 40Mb	
Broadcast Titler 2.....	154.99	Quantum Hard Card.....	329.99
Colourburst	449.99	512K RAM with clock.....	29.99
Deluxe Paint IV	54.99	1.5Mb RAM with clock	82.99
Disney Animation Studio..	64.99	Cameron Colour	
Flow 3.0	59.99	Handy Scanner	89.99
Font Grabber - NEW!!.....	29.99	Invision Plus/Live	499.99
Imagine 2.0 - NEW!!	194.99	Naksha	
Mediastation.....	119.95	Handy Scanner	299.99
Personal Finance		Naksha Mouse	22.99
Manager	19.99	Rendale 8802 Genlock ..	149.99
Personal Font Maker	34.99	RGB Splitter	59.99
Pixel 3D	64.95	RocGen Genlock.....	84.99
Presentation Master		RocGen Plus.....	129.99
- NEW!!	149.99	Podscat Graphics	
ProDraw 2.0.....	89.99	Tablet	189.99
Professional Calc.....	129.99	Touch Screen	
Real 3D Beginners	99.99	for Amiga.....	229.99
Scala.....	179.99	Zydec Trackball.....	29.99
Scala 500.....	69.99	Zydec Amiga Drive.....	49.99
Scenery Animator	49.99	Zydec A500	
Spectra Colour.....	39.99	1Mb RAM Card	44.99
Video Director	99.99	Zydec Hand Scanner	119.99
Vidi Amiga.....	84.99		
Vidi Colour Solution	139.99		
Vista Pro 2 - NEW!!.....	49.95		

* Educational *

Compendium 6	26.99
Distant Suns 4.0	49.99
Fun School 4 Series	15.99
GB Route Plus.....	54.99
Micro Series.....	16.99
Tekno Amiga.....	69.99

* Development & Utilities *

AMOS	29.99
AMOS 3D	22.99
AMOS Compiler.....	19.99
Anim Fonts 1, 2 & 3	29.99
Blitz Basic	69.99
Can Do V1.6 - NEW!!	64.99
Cross Dos.....	22.99
Dev Pac 3.0	49.99
Directory Opus.....	25.95
Diskmaster.....	32.99
HiSpeed Pascal	64.99
Home Accounts 2	36.95
Hyperbook	42.99
Quarterback.....	39.99
Quarterback Tools	44.99
SAS C.....	159.95

* DTP & Wordprocessing *

Excellence 2.0.....	59.99
Final Copy.....	59.99
Kindwords	29.99
Page Setter 2	39.99
Page Stream 2.2	129.99
Pen Pal	54.99
Personal Write	19.99
Protext V5.5	99.99
Professional Page 2.1 ...	169.99
Quickwrite	29.99
Scribble	24.95
Transwrite	29.99
Wordworth 1.1	89.99
Works Platinum.....	49.99

* FREEPOST or £5 Securicor *

* 48 hour despatch (cheques 7 days) *

* Cheques should be made payable to Softstore *

* Access and VISA cards accepted *

* Softstore, 410 Bath Road, Slough SL1 6JA *

* 0628 - 668320 *

* CALLERS WELCOME *

* * * * *

Now
let the game commence...

LURE OF THE TEMPTRESS

*...I can resist everything
except temptation...*

Oscar Wilde





Few software houses can claim that they have influence over corporate giants. But Core Design managed to get Jaguar to wait for the game before releasing the real car. Now there's power for ya.

Last month saw Jaguar, one of Britain's finest car manufacturers, release their newest car, the Jaguar XJ220. It's touted as the fastest production car ever to grace the British roads, a fact that you're likely to be able to confirm, should you ever be lucky enough to see one. As with most top-end racers, Jaguar aren't likely to be making many XJ220s, so your chances are slim. However, all you budding racing drivers still have a chance to drive one of these amazing cars. The sleek silver beauty is the basis for Core Design's first licensed game, and from what we have seen, it is set to be a cracker.

Jaguar XJ220 the game, is being developed by Mac Avery and the graphics are the work of Jason Gee, both of whom are hardened Core Design developers. Together, they formed the team responsible for the best helicopter sim yet to grace the Amiga, *A37 Thunderhawk*, and so far they've proved to be a winning formula.

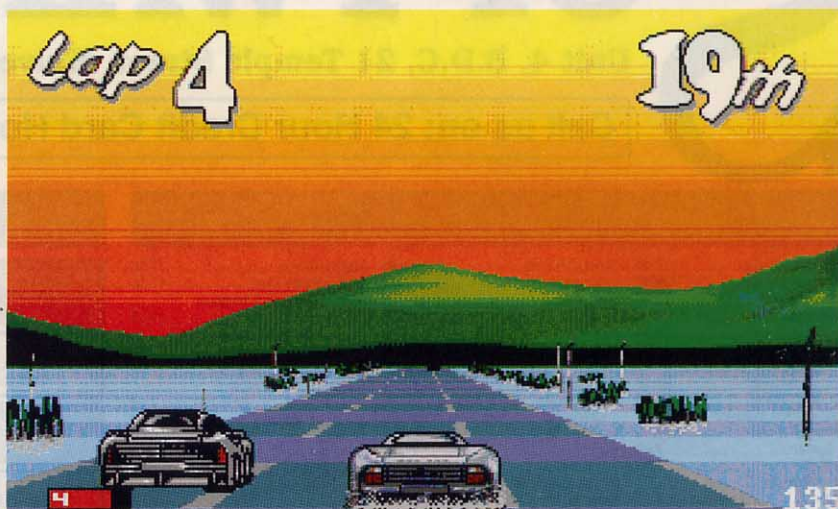
Cashing in and crashing out

So what is the game really about? Well, you, as a racing driver, and as a sort of financial boffin, have to ensure the team's continuing profitability. You have to compete in as many races as possible because the higher up the field you finish, the more money you get. As you'd expect, there are lots of costly items to spend your money on.

Normally no-one can drive round a whole race without having a little shunt or two, regardless of whose fault it was, and these are always going to cost you money. Quite a lot of your newly-received revenue automatically disappears (much like a Maxwell pension fund) when the garage mechanics tell you how much repair work needs doing. You also have to travel around the place, competing in races in far-flung locations. The thing is transporting your crew to the various venues is almost as expensive as crashing your prize £400,000 Jaguar into a brick wall.

Now you know the basic plot, the burning question is "What's it really like?". Well to be honest with you, it's pretty bloomin' good. It is easily comparable to Gremlin's recent racing release, *Lotus Turbo Challenge 2*, but Core designed it to be much better. In reality it does achieve this in certain areas, and in other regions it doesn't quite make the grade. The races take place over 12 countries, and the weather effects are a lot more varied than those to be found in *Lotus 2*.

In *XJ220* you may suddenly come across wet leaves and other effects on the road which



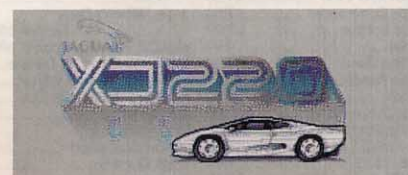
At a hundred-odd miles an hour, it's no time to discover that your priceless Jag doesn't have snow tyres fitted. Road surfaces are a constant trial in Core's new Lotus-challenging race game.

Jaguar XJ220

Core Design Expected: May



Jaguar XJ 220 is a winding nightmare of a racing game that pitches you against the toughest tracks you've seen since *Lotus Turbo Challenge 2*.



Charging your way to the front, you may spot a rather crestfallen Lotus tootling along behind.

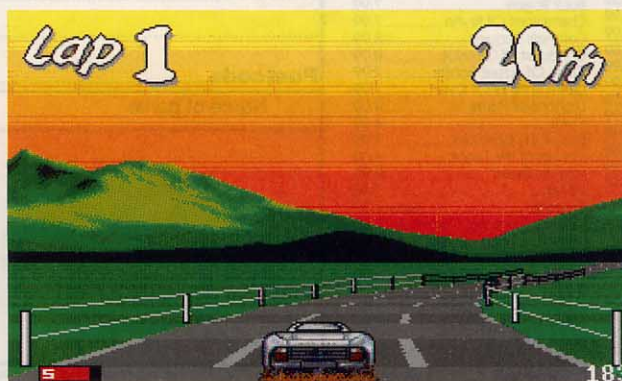
slow your progress and totally mess up your handling. In normal situations, the handling of the car is very smooth, the 3D-effect is perfect, but *Jaguar's* strongest point is its breakneck speed. The car does 212mph, and when you are racing it really feels like it. The sheer speed of the game is outstanding and the braking is firm and responsive too. And as you would expect nowadays from a game of this genre, the car has brake lights. But they don't just simply light up – they vary in brightness,

depending on how hard you are actually braking at the time.

Charging through the pack

The sound is also very impressive, and it includes a nifty little tune which plays away in the background, complimenting the roar of the mighty V12 engine. During the race you will pass many other vehicles, provided you haven't crashed or run out of money. These include such noteworthy cars as Lamborghinis and Ferraris, and you may even catch a glimpse of one of the rarest Porsches around – the inimitable 959.

Jaguar XJ220 was designed to start where *Lotus 2* and so many other car games before it left off. Although there isn't anything really original about the racing aspects of the game, the financial side of things looks as if it might add a certain much-needed spice to what may otherwise become a worn-out genre. If you're looking for something completely new and original, you probably won't find it in *Jaguar XJ220*, but who knows? The coding is still in progress and new things are being added every day. By the time we get to do a full review (which should be in time for next issue), things could be very different.



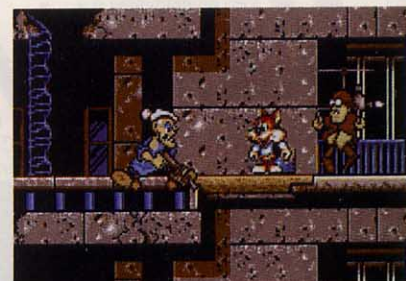
Hurtle around the track too fast and you'll find yourself drifting towards the picket fences that rush by at rate of knots. Hang on tight!



Life must be pretty tough when even the dead are out to get you. But fling a spring at the zombie and he's knocked into oblivion once more.



Titus escapes on his flying carpet from one nasty situation, just to find an Arab, hiding in a pot and firing spears at him.



Caught between the devil and the deep blue sea. Something tells me Titus is soon gonna be meeting his maker.

Titus the Fox

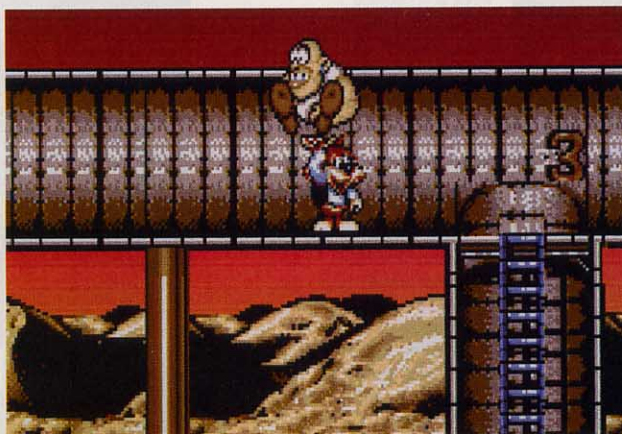
BONG! Mortgage rates hit a new high! BONG! Marilyn the infamous singing hamster hits the top of the pop charts! BONG! Famous reporter Foxy Fox kidnapped by Arab sheikh!

Foxy Fox, aged 23, a reporter for the popular magazine *Foxy and Locks*, has disappeared while on the trail of a story in the Sahara desert. Although the Shah Hassan, aged 46, a regular reader of the publication and a public admirer of Foxy, denies all knowledge of the incident, it is rumoured that the Arab business man is behind her disappearance. Earlier today we spoke to Foxy's fiancé, 21-year-old Titus, who believes his betrothed is being held in the harem of the Shah. Titus will tomorrow morning be on his way to the desert to rescue his sweetheart from a life of slavery and torment in the desert heat. We all wish him the best of luck in his quest. Goodnight.

This is the scenario for the new release from Titus, aptly named *Titus the Fox*. The game starts in Titus' home town, which is a pretty rough place by all accounts. It seems that the only people in the streets are contract killers hired by Foxy's kidnappers to put paid to our hero's rescue attempt. Titus has to work his way through the town either by skillfully avoiding all his enemies, or by picking up various objects left around the place in highly inconvenient places, and lob them at his foes. Failing that, Titus can actually pick up an enemy to throw at a member of his own side.

Go east

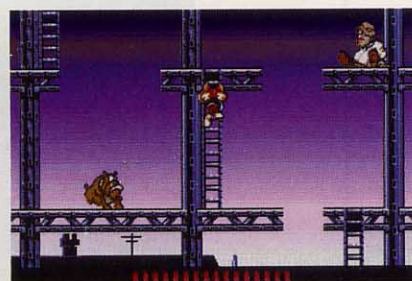
Titus' trip takes him from his home town to the eastern city of Marrakech and back again. A journey consisting of 16 levels of irritation, simply because you get so annoyed with the delicate nature of the control system. One pixel out and you miss that essential platform, or get whacked by a trashcan with a mallet. Most of the levels involve scooting past your enemies to get to the other side of the screen. You aren't given a clue of where you're meant



to be going. Instead, the screen just locks up for a few seconds when you get there, and Titus is magically transported to the next level.

Very similar in both its look and feel to Titus's previous release, *The Blues Brothers*, this is a platform romp around a toon-like world. *Titus the Fox* could have you hooked after a couple of plays, just because the central character is so incredibly cute. He's way up in the ranks along with the Kiwis, Bubs, Bobs and Robocods of this world, with his fluffy red fur and the adorable way that he crawls underneath obstacles.

What happens while playing is you fight your way through all the annoying bits, then come across a neat little feature which almost lets you forgive it of its faults. For instance the



Stranger things have happened at sea. Titus can't break out from the pipe but, as if by magic, the big bozo's head pops out of the top with no trouble at all.

Drunks, dogs and downright dodgy people abound in our hero's home town. But love, as always, will overcome; or more importantly, Titus has already booked the caterers for his wedding.

look on an enemy's face if you manage to pick him up is well-worth taking the trouble to see, and bouncing on springy balls to leap over tall obstacles is great fun when you finally get it right. Running around the levels there are various special objects and forms of transport for you to pick up to help you on your way. There's a magic flying carpet, springs, bowling balls and a golden scooter, to name but a few. These are usually quite hard to reach but the benefits can be well worth the trouble.

Get loaded

One of the niggly things is that it takes so long to load. After every level it goes through the loading process all over again, including loading the same music and sound effects for the umpteenth time. The music fits the gameplay well, it has a nice bouncy feel, with the sound effects matching the gameplay to a tee.

Titus the Fox could have been well worth playing if it wasn't for the control system and the immense loading time. With a bit more effort on everybody's part it would have been a classic – as it stands this is just yet another cutie platform game.

Clare Hodgson

Titus the Fox Titus ■ £25.99

- If you thought *Blues Brothers* was great you'll love this.
- Cute, cute, cute, and even more cute.
- Very awkward controls, one pixel out and the fox gets it.
- Loading takes so long you're bored before you even start the game.



81%



A hostage makes a (none-to-carefully timed) dash to freedom from behind an ammunition case. The body-count indicator at the top of the screen confirms that he's made it OK. Only nine more to go and you've completed the level.



Half the action is fought through horizontally-scrolling rooms. The other half is in semi-3D as our brave hero ventures down corridors.

Also at your disposal is a Blade Weapon and a Freeze Gun that turn even the most animated or over-excited alien fiend into a sitting duck. These weapons (along with body armour and energy restorers) can be found hidden within the crates and wall-mountings that make up the interior of the crippled ship, so just keep blasting away and you'll soon be rewarded.

Actually, you can't shoot all the time. Every now and then a hostage will make a dash for freedom. Allow him to run off screen and a 'Thank you' message informs you you're a step closer to your objective. Also, the special weapons need time to recharge (not to mention your trigger finger) so pausing for breath is advisable. But apart from these minor inconveniences, it's just blast, blast, blast.

All the right stuff

As an *Operation Wolf* clone, *Space Gun* has got all the right ingredients. The action is fast and furious, stretching reflexes to the limit. The graphics are excellent, the sound effects suitably gruesome and there are loads of different alien scum to blast. If *Light Phaser* games are what you like, then you won't be disappointed. But there's just not enough 'real' game here to convert the uninitiated.

Neil West

Space Gun

Are you the proud owner of a Trojan Light Phaser? Well this is a blast-em-up just for you. So sit down, dig out the Dirty Harry Ray Bans and let the evil alien hordes of 2039AD deep space make your day.

Of course, you don't strictly need a Light Phaser to play *Space Gun*. But the *Operation Wolf*-style gameplay is farcical if approached with a joystick and unconvincing (it's not really Clint Eastwood's style is it?) with a mouse. So to get the most from this game, it's standard-issue Light Phazers all round.

You play the part of a trigger-happy crew member aboard an exploratory craft, bravely going where no person has gone before. A distress signal has been received from a crippled spaceship and so (pausing only to grab your trusty Phaser, dash for the transporter room, painfully pick yourself up from the floor, go back and unplug your trusty Light Phaser, and head for the transporter room again) you mount your heroic rescue attempt.

The crew of the crippled ship have been taken hostage by a gang of extra-terrestrial hard nuts. So you must explore (well, allow yourself to be led down) all the corridors and passages of the ship, shoot all the aliens, allow the hostages to run for safety and then make good your escape.

Going Solo?

Two players can join the action together (although only one of you can brandish a Phaser) and the combined fire-power enables you to get a lot further through the game than



in a one-player romp. Yes, the aliens are tough. Very tough. So unless you are Clint Eastwood, you'll have to rely on your special weapons and a steady flow of power-ups if you're going to make much solo progress.

Your basic weapon is a standard Han Solo-issue blaster. It will kill anything, eventually. But diligently keeping an unfortunate alien in your sights often allows his mates to sneak round the side and plant one on you. So you've got a choice – either keep spraying the entire screen with a liberal helping of photon death, or concentrate on grabbing yourself some porkier military hardware.

You start off with two extra weapons: a flame-thrower (usually packing a short, sharp shock to persuade any untoward alien to mend his ways) and a grenade launcher that will send an alien in so many different ways that any thoughts of mending anything can be scrapped.

Doesn't look very good out there does it? There's an eight-limbed alien fiend brandishing his latest manicure, a blood-sucking, err 'blood sucker' firmly attached to your visor. And to top it all it's raining liquidised alien remains.

Space Gun Ocean ■ £25.99

- *Alien* (the film)-esque monsters and backdrops set the theme for your deep-space rescue attempt.
- Solid blasting action all the way.
- The two-player action is a nice touch, but it's easy to get confused as to whose cursor belongs to who.
- Hasn't this genre of game got boring yet? There's nothing here for anyone other than the real Light Phaser fans.

Verdict 57%



A quick tap of the ALT button and your 'special weapon' sights are displayed.

The screen scrolls its inevitable course from left to right, introducing still more aliens.

MILLENNIUM PUTS THE WORLD IN YOUR HANDS



GLOBAL EFFECT



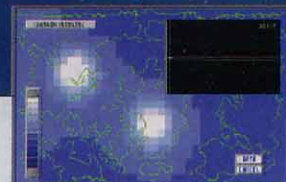
Build power sources to supply and expand your cities.



Build military bases for offensive and defensive action.



Plant forests and parklands to counter world pollution.



Check for pollution, CO2 and ozone coverage.



Survey for natural resources and seismic stability.

A distant world - a new civilisation. You control the delicate balance of the natural world. Confront the many challenges of a true world leader - your actions can save the world from global warming and city pollution... your forces can destroy the enemy trying to blast your cities or poison your planet.

The world is in your hands - take control!



Constantly monitor the state of your planet.

DISTRIBUTED BY



PUBLISHED BY MILLENNIUM, ST. JOHN'S INNOVATION CENTRE, COWLEY ROAD, CAMBRIDGE CB4 4WS

*Amiga screen shots
© Millennium 1992

AVAILABLE ON AMIGA (1Mb)
PC & COMPATIBLES (640K)
Audiob, Roland,
Soundblaster



“BLACK CRYPT” – IF YOU LIKE YOUR DUNGEONS DRIPPING WITH MONSTERS.

The “Black Crypt”™ positively oozes with twenty five of the most hideous and despicably cunning monsters.

They await you in a dozen plague-ridden inter-connecting dungeons, on 20 spell binding levels.

The most heinous among them is the Dark Lord Estoroth, who, many centuries ago, had been banished from the land by four Guardians with awesome supernatural powers. In the process, the Guardians and their weaponry had been lost.

Now Estoroth is back, seeking a ghastly

revenge against a defenceless people.

Your task is to lead an intrepid band of adventurers to retrieve the mystical artifacts that may hold the power of the four Guardians and provide your only chance of saving the world from evil.

The “Black Crypt” is the most electrifying fully animated dungeon adventure, with exceptionally detailed rotating point-of-view perspective.

It features real-time combat and spell-casting, all in 64 colour extra half-brite Amiga graphics.

But be warned, you enter this breeding ground of evil at your own peril. And hopefully not on a full stomach.



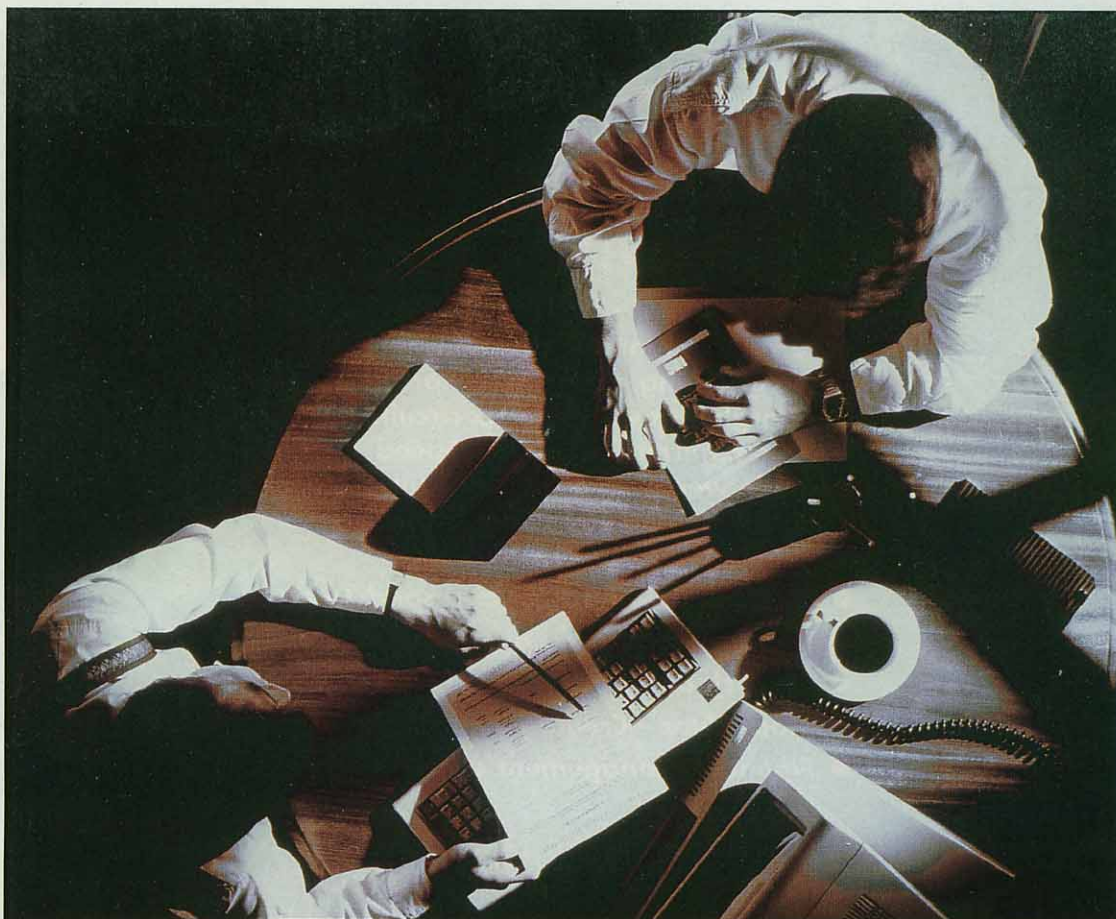
£25.99

Available on Amiga.

ELECTRONIC ARTS™

Electronic Arts, Langley Business Centre, 11-49 Station Road, Langley, Berks SL3 8YN,
Tel: 0753 549442, Fax: 0753 546672

"It's clear from this evidence..."

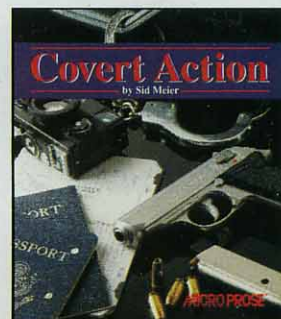


*...that we should be
playing Sid Meier's Covert Action."*

*Use your skills in deduction to foil terrorists, spies and
criminals around the world.*

MICRO PROSETM
SIMULATION • SOFTWARE

Covert Action, for your IBM PC compatibles, Commodore Amiga and Atari ST
from the creators of **Railroad Tycoon** and **Civilization**. MicroProse Ltd. Unit 1,
Hampton Road Industrial Estate, Tetbury, Glos. GL8 8DA. Tel: 0666 504 326



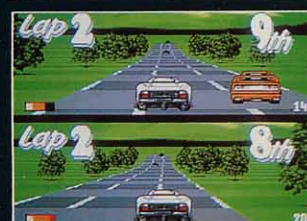


JAGUAR XJ220

Race your Jaguar XJ220 against other super cars including Ferraris, Porsches and Lamborghinis over thirty six circuits through twelve different countries. Speed through variable weather conditions whilst tackling waterfalls, tunnels, cliffs, bridges and mountain passes.

- Fog, snow, wind, rain and sandstorms.
- One or two-player split-screen option.
- Joystick or mouse control.
- Map editor - Create your own circuits.
- Financial Management strategy.

Will you run out of bottle before throttle?



Available on Atari ST
and Commodore Amiga
(both 1 Meg only).

Under licence of Jaguar
Cars Limited, UK.

CORE

TRADEWINDS HOUSE, 69/71A ASHBOURNE ROAD, DERBY DE3 3FS.
TELEPHONE: (0332) 297797 FACSIMILE: (0332) 381511

Screen shots taken from
Amiga version



Ah, Dungeons and Dragons. Those far distant days before you bought an Amiga, that saw you and some mates sitting around a table and *becoming*, actually *becoming*, Arglip the gnarly old gnome, or Silmaril the wise old mage, or even Irontop, the strong (but oh so stupid) fighting dwarf. The die rolls, the maps that went all over the floor, the books of lore and the bestiaries. What fun. Until, that is, you bought an Amiga.

Then you were able to die without the mapping, the books and the die rolling. There was *Eye of the Beholder* or *Dungeon Master*. There was interacting with other characters. There was an immense lack of finicky, irritating statistics. Well someone should have told

That's one of the blighters out of the way. You can tell by the huge, clunky skull icon amidst all the other clunky character icons in the scene.



A pub – now that looks like a pleasant place to rest and recuperate. Just follow the arrow and the door opens for you. On the other hand, pubs often contain rather rough sorts.

TSR and SSI (a company that can produce far better than this heap of papergame-to-Amiga quick conversion) all about that.

Savage Frontier comes with all the normal dross about "The adventure you've been waiting for is at hand" (it's bloody obviously not here), "spectacular", "foreboding lands" and "all new wilderness style". It isn't any of this. If it was, then you wouldn't have to keep referring to the manual, whoops, "Journal" in order to discover what the NPCs are saying to you. You wouldn't have to sit and watch sad, poor, clunky, blocky, embarrassing graphics. And you wouldn't have to make do with horrible images of the characters you are supposed to be portraying.

Sad frontier

The plot is loose and predictable; you have to defeat some dark invaders by discovering a few magical items. So there's nothing to

Gateway to the Savage Frontier



Creating your characters even means altering the way they look. Well, it means fiddling with some fairly sad-poor icons.

detract the terminally statistically-retentive among you from getting a bus-spotter's delight from the game.

You begin despairingly enough, by building your party of up to six characters all of whom are firmly in the D&D mould. Once again there are no surprises to be had in this section of the game. You get to choose names, races, abilities and even the way the tiny clunky icons representing your crew will look. Frankly many PD icon editors enable you to do a better job. Once the six have been set up with suitably runic names and outlandish attributes, and the individual characters have been added into the party (you can also choose from the ready-saved characters) it's time for the off. Make sure that you encamp in order to get your magic users to learn some spells and your warriors to ready weapons. Save the game and you're adventuring.

And from here on in the whole thing nose dives into the kind of predictable, uninspiring tedium that will make D&Ders feel incredibly comfortable but will not inspire newcomers into the genre.

Despite all this well-rounded and not the least bit irritated by the almost criminal under-use of the Amiga's sound and graphics

abilities, criticism, there are a few good points in favour of the game.

What an atmosphere

The party movement around towns and forest is swift (why they didn't bother with a compass but instead lobbed in map references is beyond me – something to do with lack of ability to program graphics perhaps?). You use the mouse pointer to drag your party around place in search of fights and gems. However, the lack of any in-game music or sound makes for little atmosphere building and no real desire to interact.

Generally, a good conversion from the paper game to the PC and then to the Amiga. There's nothing for the newcomer to get excited about and nothing for the seasoned adventurer to feel the least bit worried over. Average, average, average dullness.

Tim Smith

RESTING UP A WHILE...

Resting is one of the most pleasurable experiences in the game. You get to see a pleasant graphic of a tree and a campsite – even if you decide to make camp inside a house or on a street corner (that tree won't leave you alone it seems). And while resting you get to memorise or scribe scrolls, fix weapons and even people, have a quick



look at your multitude of statistics and even save the game; an action which the manual says you have to do every hour or else the game might crash on you!

Learning spells is simple enough. Click on the magic user you wish to imbue with a little more power, click on memorise and then choose from the available spells. Then just set the amount of rest time and Elpric is your Chaotic-neutral Mage/Fighter/Thief/Cleric.

Gateway SSI/TSR ■ £30.99

- Adheres almost slavishly to the TSR papergame standard of stats and lore.
- You can both alter and train character during the game.
- Quick combat option to avoid spending too much time with the crushingly awful icon battle graphics.
- There are no worries about being caught up in the plot.
- Vile under use of the Amiga. Basically a straight PC port over.

Verdict 45%

The story so far: er, well, actually, it's a little bit complicated. Let's just say there were five other *Ultima* games (set in the land of Britannia, an exciting place full of trees and walls), lots of exciting things happened in them, and now here we are at the sixth exciting episode. An episode in which you, playing you, are called back to the land of Britannia by Lord British (the big cheese) to rid it of gargoyles. They've apparently been coming up through the sewers and no amount of Flash gets rid of them, so only you (aided by several other stout fellows) can shift them.

As ever the game's viewed from above and slightly off-centre, so there's a 3D-ish look to things. Your party is controlled as a group, simply by clicking in the direction you

Moongates can be generated using the Orb of the Moon and they're dead handy for getting about, acting like teleporters around Britannia. The trouble is you never know just where you'll end up.



Character creation is like playing *Scraples*, only not. You're asked moral questions and then the crone pours the appropriate solution in a drink, which endows you with those virtues.

want them to walk. Objects can be acquired and used, signs read, people talked to and fought, and all the other things done without which an adventure wouldn't be an adventure.

What does 'Ultima' mean anyway?

Britannia's a big place and there's an embarrassingly huge number of objects lying about. Most people are only too happy for you to walk into their houses, have a good look round and nick all their stuff – in fact they'll even talk to you while you're gaily pillaging their homes. Ask them nicely and they might join up, or just chat to them generally about what's going on and you may learn some interesting stuff. With the help mode on, words they'll respond to further are highlighted in red whenever they're spoken – bit of a giveaway, this.

Magic is a big deal too and the manual enthusiastically wibbles on about which ingredients are needed for what spell and what you should be wearing to cast it, etc etc. In fact spell casting's a real piece of cake – just click on the Cast icon, choose a spell, and, providing you've got the right ingredients, whoomph! there it is.

Needs 1 meg of memory

There's nothing like a good adventure game to pass away endless disk swaps.

Talking to someone brings up their portrait and an appropriate description ("You see a tousled-haired rough-and-ready ruddy royster-doyster" and so on). Only certain words are recognised, so you can spend hours entering things like LAKE, HAIRDYER and SPOON before you finally hit upon the right one.



Ultima VI

- The False Prophet



Yes. All this would be fine and dandy if it weren't for one thing: disks. *Ultima 6* gets through disks like the *Windsors* get through marriages. Firstly, you have to install the game either onto hard disk or four floppies, and this process takes at least 20 minutes of very tedious disk swapping. Then, during the game, virtually every time you move a character a new landscape has to be loaded on there's another disk access. Click 'Talk To' and you need to change disks. Click 'Use' and you often need to change disks. Click flippin' anything and you need to change disks

In fact there's so much disk swapping and accessing (particularly on single drive systems) that the game slows down to a crawl and you dread doing anything just in case it provokes a "Please insert Portrait disk" prompt. It's not as if the graphics and music are so awe-inspiring that they warrant this sort of boredom; yeah, they're pleasant enough, but a little dated, and very slow.

Hmmm

Despite its relatively sophisticated exterior, *Ultima 6* has its roots way back in the games of the early Eighties. Simplify the graphics and sound and you're left with little more than any type-in listing of that period could offer you. It seems odd that nowadays, with the polish and user-friendliness of games such as *The Secret of Monkey Island* and *Another World* about,

the anachronistic and unfriendly *Ultima* series should still be so popular.

Undoubtedly there is a lot for you to see and do, but there's virtually nothing to reward the casual player. Dedication is certainly the key to enjoying *Ultima 6*, but not least because of the terrible disk accessing/swapping problem. If you've followed the rest of the series then you may as well go the whole hog and get this latest instalment, but don't go expecting an easy time of it.

If Origin aren't careful the *Ultima* series could well share the same fate as the Infocom games: obstinately sticking to a frankly outdated formula simply for the hell of it, while progress and the games-buying public moves on to newer and greater things. *In corpore sans ultima propio*, as they say.

Ed Ricketts

Ultima VI Mindscape ■ £30.99

- If you've got a hard drive, you're sorted. If you haven't, and particularly if you've only got one drive, disk-swapping had better be high on your list of hobbies.
- Big playing area and lots to uncover.
- You could probably draw your own graphics in the time it takes for the display to update.
- Ancient – er, I mean *traditional* style of gameplay may not suit those weaned on modern adventures.
- Chirpy tunes which will drive you crazy after your 43rd disk swap.

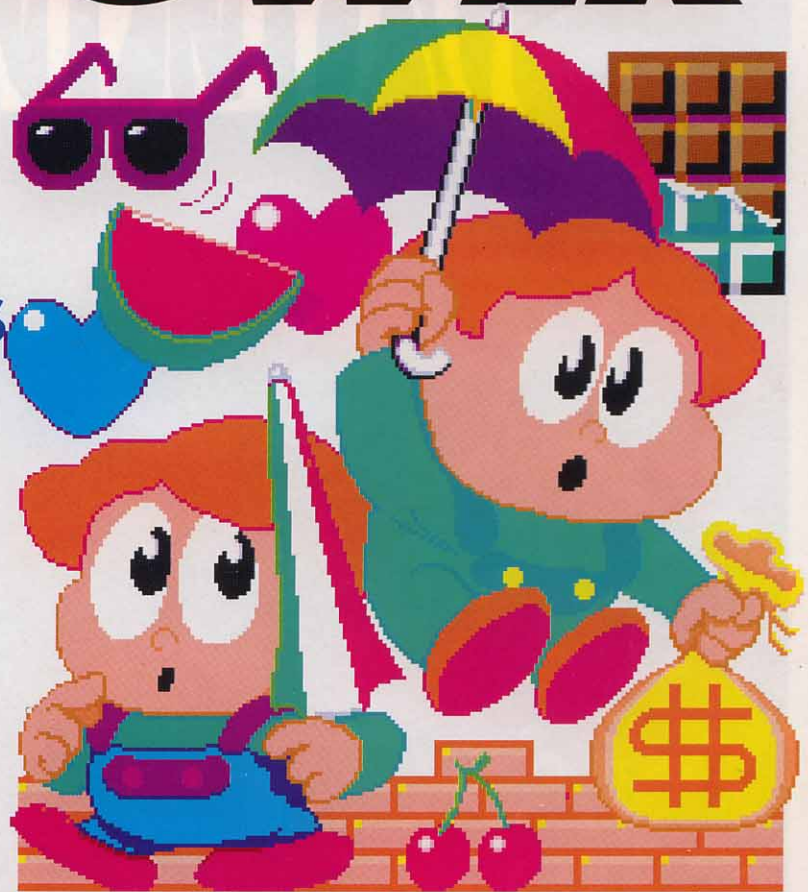
AMIGA
Verdict 67%
FORMAT

AMIGA POWER

**APRIL ISSUE
OUT NOW!**

PARASOL STARS REVIEWED!

**PLUS! COMPLETE BUYER'S GUIDE TO
BEAT-'EM-UPS!
ALL THE NEW PSYGNOSIS GAMES
PREVIEWED!
AND MUCH MUCH MORE!**



2 DISK SPECIAL!
TITUS THE FOX AND PROJECT X - BRILLIANT PLAYABLE DEMOS!
ROME - COMPLETE GAME FROM THE CREATORS OF PUGGLES!
PLUS! DOWNHILL CHALLENGE, MISSILE COMMAND AND GO-MOKU - the best of PD!

NEXT MONTH

**IT'S BACK! THE 100 BEST AMIGA GAMES OF ALL TIME!
REVIEWS OF PROJECT X, ULTIMA VI AND MORE!
PLUS! 2 DISKS - INCLUDING A FABULOUS SENSIBLE
SOFTWARE SPECIAL FEATURING WIZKID, SENSIBLE
SOCCER AND TWO BRAND NEW GAMES!
IT'S ALL IN OUR BIGGEST ISSUE EVER!**

**BRITAIN'S
BEST-SELLING
AMIGA GAMES
MAGAZINE**

It has taken control.
It owns their minds.
It imprisons their bodies.
It even absorbs the building!
It's..

D/GENERATION™

A secret project is out of control at Genoq Corporation, the world's leading biotech research lab. The building is in chaos. All employees are either dead or zombies. The security system is blasting away at anything that moves.

D/Generation, a malevolent organism that uses virtual reality to

disguise itself, has taken over. And it is your task to destroy it.

But first, you must find a way to stay alive. Then, as your understanding of this evil force increases, you can take the fight to the enemy. The tools you have are sparse. Little more than ingenuity and determination.

- Over 120 rooms filled with traps and surprises
- Outstanding graphic environment
- Full VGA graphics support
- Sensational animation
- Stunning musical intro. and sound effects
- Available for IBM PC, Amiga, Atari ST



Copyright © 1991 Robert Cook. All rights reserved.
D/Generation™ copyright
© 1991 Mindscape Inc. All rights reserved.

M I N D S C A P E

VIRTUAL REALITY MEETS ACTION ADVENTURE

For your local dealer, contact: Mindscape International Ltd, The Coach House,
Hooklands Estate, Scaynes Hill, W. Sussex RH17 7NG. Tel: 0444 831 761.

Bomberman, eh? Sounds rather like a game called *Mighty Bombjack*. Does it involve planting bombs and running away? Let's see. Well, whaddaya know? You have to drop bombs, run away, hide in a corner and watch your bombs destroy walls and cute little odd-shaped nasties with toothy grins that look like they've escaped from *Bubble Bobble*. It all looks dead simple and not at all original, two factors which don't generally add up to a spiffy game. But (but! But!) *Dyna Blaster/Bomberman* will get its hooks in you and end up transforming best buddies into enemies.

Two's company

There are two addictive games here because the one-player game is significantly different from the multi-player version. Whether you prefer to battle it out on your own or make playing into a social event, this is a winner.

The one-player game gives you a larger, vertically-scrolling game area and nastier bad-

It's a three-player game and everybody's rushing to get their bonuses. The skull's the best - pick it up and you could find yourself running around the screen at three times your usual speed! Then again, you could suddenly start to move along at a snail's pace or find yourself leaving a trail of bombs wherever you go. The latter is particularly dangerous but impossible to avoid.



I'm just about to get that blue glove puppet. Bomb as many walls as possible because one of them is covering up your exit.

dies. To get from one level to another you have to find your exit and spin through it once you've cleared the screen of baddies using the power-ups which your bombs leave behind.

With the supplied special joystick adaptor, five people can play at once. The screens aren't as big as the one-player ones so you end up with five little people running madly around a screen, leaving bombs everywhere and blowing one another up. Here the power-ups include skulls which never do the same thing twice in a row. The best bit is when you pick up a skull and you find yourself rushing around doing a particularly speedy Benny Hill impression. This can be helpful in enabling you to drop twice as many bombs as usual, but it also makes your chap more difficult to control and you'll find yourself trapped in by your own bombs. Equally frustrating is the power-

If you go down to the bottom of the garden today, you're in for a big surprise. Especially, if you're a particularly nasty sort of sphere with two eyes. They really do look rather stunned. Yep, it looks like Legoman has made the pretty garden safe for us all..



up which lets you drop three bombs at once. Unless there's a clear way out, you're a goner.

In the multi-player game you get a choice of battle lengths, so the winner can be the person who wins the first game or the first person up to two, three, four or five wins. With anything more than three of you on screen it becomes a matter of duty to blow up at least one of your opponents. This will put them out of the game until the next level, plus make them pretty irritated. Another way to bug people is to wait until their bombs explode and then run and get the power-ups before they do.

All aboard for Legoland

There are some cutesie opening pics but the main game graphics are somewhat basic. *Dyna Blaster* is clear and simple, there's a lot happening on screen and if the graphics were any fancier it would just be far too cluttered.

Here you see a three-player game in action. Player number two has already been blown to bits. As soon as those two blue blobs have been blasted, the remaining two players can concentrate on killing one another. What fun.

There's no colour-clash, you can see exactly what's going on and the sprites are beaut, especially the characters who look like Lego people. Soundwise the fairground tinkly tune can get annoying, but if it gets to you simply turn it down. Mind you, if you do that, you'll miss out on some ace explosions.

Dyna Blaster/Bomberman is brilliant fun and with 64 levels you'll be playing for quite some time. You'll know immediately if this is your kind of game, so if it sounds like fun then go and buy it. If it sounds too cute by half and you think you've done it all before then give it a miss. But remember, it's your loss.

Linda Barker

Dyna Blaster/Bomberman

Ubi Soft ■ £30.99

- Simple, colourful graphics. No clash and no clutter.
- The lower the volume, the better.
- Addictive gameplay that'll have you up half the night without realising it.
- Fun-filled multi-player mode.

AMIGA
Verdict 87%
FORMAT



0530
411485

ASHCOM
DESIGN & DEVELOPMENTS LTD

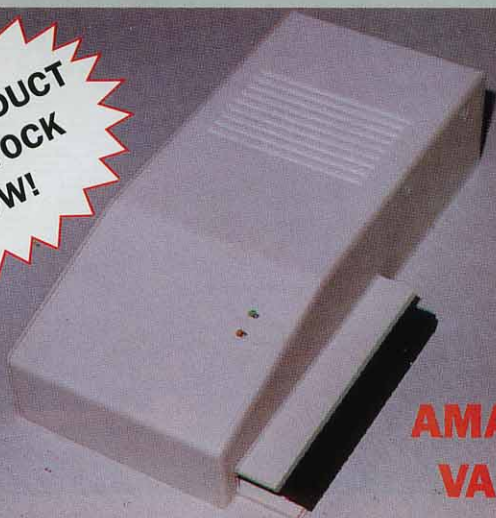
VISA

0530
411485

AMIGA A500 HARD DRIVES

HIGH QUALITY - LOW PRICES!

**NEW PRODUCT
& IN STOCK
NOW!**



**AMAZING
VALUE!**

OUTSTANDING FEATURES

- Very high speed (18ms access)
- Small slimline unit
- low noise operation
- No ext PSU required
- Through port for other devices
- Auto-boot for 1.3/2.04 Kickstart
- Factory set - no messing about for-matting
- Colour matched & styled for the Amiga
- Simple to use - just like a floppy disk only much much bigger and faster!!!
- Will not invalidate warranty

FACTORY SET - JUST PLUG IN & AWAY YOU GO! NOTHING COULD BE MORE SIMPLE!

45Mb	-	£265
70Mb	-	£325
105Mb	-	£375
205Mb	-	£549

AVAILABLE FOR 1.3 OR 2.04 AMIGA A500, PLEASE SPECIFY WHEN ORDERING

If you want to add one of our external RAM expansions to the above drives then add the price shown below for the AX range - AMAZING VALUE!!

AX502	2MB	EXT RAM EXPANSION	ADD	£120
AX504	4MB	EXT RAM EXPANSION	ADD	£175
AX508	8MB	EXT RAM EXPANSION	ADD	£295
AX508	0MB	EXT RAM EXPANSION	ADD	£80
AX RANGE USE 1MB * 4 ZIPS				

THESE
PRICES ARE
AVAILABLE
ONLY WHEN
ORDERING
A HARD DRIVE

PRICES INCLUDE VAT & NEXT DAY COURIER DELIVERY!!

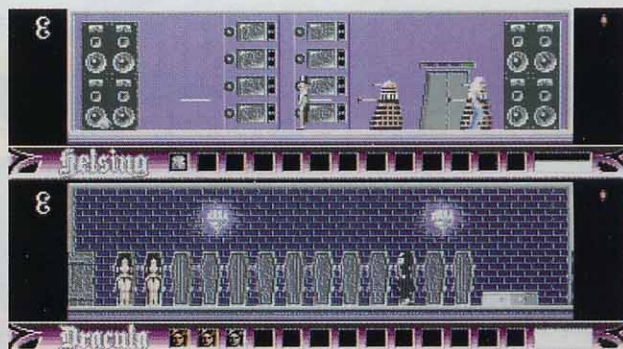
ONLY FROM ASHCOM DESIGN & DEVELOPMENTS LTD

Dept. AF06, 10 The Green, Ashby-De-La-Zouch, Leicestershire LE6 5JU

Mon-Fri 9.00-5.30 Telephone: (0530) 411485 (3 lines) Fax: (0530) 414433 Sat 9.30-4.00



Dracula, being an out-of-the-ordinary sort of guy, wants not just one but 13 girlies by his side. And he still has time to go out at night and bite people in the neck. He may be dead but that doesn't stop him having a good time.



Helsing wanders into what appears to be a quiet village house and ends up (one trip via the Twilight Zone later) in the Daleks' front room - who, are their usual happy selves and greet him with a friendly "Annihilate!".



"Look, you're not coming on my boat unless that woman puts more clothes on. Company policy, I'm afraid." Contrary to popular belief, Charon the Ferryman is very choosy about who he ferries across the Styx.

Brides of Dracula

Vampires have a tough old time of it - just think of their social life. Take Dracula, for instance. Drac is getting rather lonely in his old age and so decides to go out and get himself a wife. Or two. Or 13. Luckily there's a village just down the road from his castle with literally hundreds of scantily-clad girlies swanning around in a rather vague way, so Drac sets out to bag himself some of this rampant tottie. To rid themselves of the menace of Drac, the villagers call in Van Helsing, a vampire hunter who has probably had more stakes than you've had, er, steaks.

This is a game for one or two players, one human against the Amiga or two playing simultaneously. Each player takes the role of Drac or Van Helsing, who have specific goals. Drac's is to find, bite and lead back to his castle 13 glorious gals. Van Helsing, meanwhile, is desperately searching for 13 vital pieces of equipment he needs to kill Drac: stuff like silver bullets, a prayer-book and of course a piece of toast.

This village is cursed

The screen is split into two different horizontally-scrolling sections, one for each player. The playing area is made up of five sections, including the village and Drac's castle, around which are scattered Helsing's stuff and Drac's babes. Van Helsing (who jumps and strides around like a man who's just received a huge grant from the Ministry of Silly Walks) has to take each object back to his house one at a time, and Drac can only have one girl in tow at once, so there's a lot of toing and froing.

Other characters in the game affect Drac and Helsing in different ways. The other

vampire hunters and the priest, for example, all have a go at Drac, while Drac's butler Riff Raff (sound at all familiar?), the ghouls in the graveyard and the devil dogs all harm Van Helsing. Fortunately, though, retaliation is possible for both players. There are certain things, like rats and dripping acid, that hurt regardless, and these need to be avoided with some nifty jumping.

Not much at stake

Brides of Dracula is a simple little game with an old-fashioned feel to it - it may remind you of the old 8-bit games *Skool Daze* and *The Rocky Horror Picture Show*. Whichever player you choose it's not much of a problem to complete the task; the playing area's small, and if you really get stuck, you can sit back and watch the Amiga take on both roles. The split screen's a nice idea, particularly when you realise with a shock you're just about to encounter your enemy - and sure enough, there he is on the same screen.



Just so it's not all so incredibly easy that you can do it in one day (though it is), at various points you find these chainsaws lurking about in mid-air. They only allow one player through, so the other side has to find another way round it, losing energy, patience and self-respect in the process.

There's one very frustrating point about the game. When you want to go up/down stairs, you need to position yourself exactly at the right spot at the head of the stairs and press Fire and Up simultaneously to get you onto the right screen 'plane'. If you're even a few pixels out, the game won't recognise it, forcing you to change position and try again. It's not a catastrophic bug, just intensely annoying and time-wasting.

You won't find anything here to amaze you, either in the graphics (fair, with some good coloured skies), the sound (spot effects and not very good ones) or the gameplay (too easy), but *Brides of Dracula* could keep you interested for a day or two. But then, so can watching paint dry, at a push.

Ed Ricketts

Brides of Dracula Gonzo Games ■ £25.99

- The rather small playing area and easy tasks mean you won't find much of a long-term challenge here.
- Split-screen is a good idea, though it makes it too easy to cheat.
- May well bring the tears of nostalgia flooding back.
- Having two characters in effect means having two games.
- The frustrating positioning faults slows things down.

Verdict **73%**

THE CONSOLES AND ARCADES SMASH HIT NOW ON YOUR COMPUTERS!

"As far as playability is concerned, this is a dream come true. In one player mode, it's a massive and addictive task, but in head to head (with up to five players), this is truly awesome! This is just one of those essential purchases and I guarantee that absolutely everybody will love this! Get it!" CVG



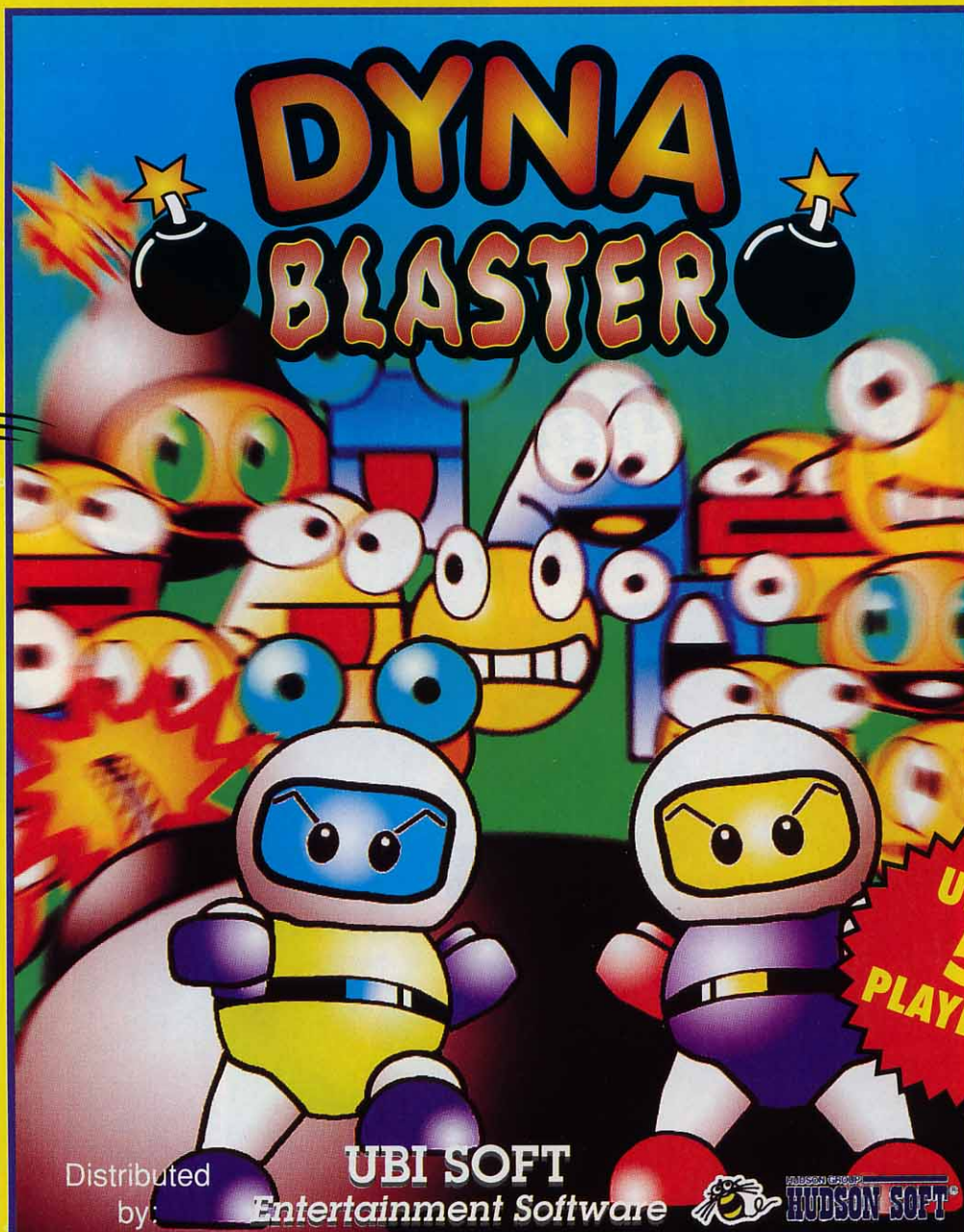
94%



CU AMIGA:
"A great
game"



**AMIGA
ATARI ST
IBM and
compatibles
C64 (only 3
players)**



Distributed
by:

UBI SOFT
Entertainment Software



HUDSON SOFT



**C&VG
HIT**

93%



90%



**SUPER
POWERPLAY**

**UP TO
5
PLAYERS!!**



Collect the icons to get
more bombs and larger or
programmed explosions.

Screen shots on Amiga

Saddlers House, 100 Reading Road, Yateley,
Camberley, Surrey GU17 7RX Tel. (252) 860 299



Don't smash the icons
or you'll be in big trouble!



In the 5 player-mode your
opponents are both your
allies and your enemies...
depends on the situation!

Race Drivin'™

- People said Hard Drivin' was the best. Well, the best just gets better - with Race Drivin'. Even more outrageous than the original, Race Drivin' is the ultimate Driving Simulation.
- A choice of 4 hot cars.
 - 3 different race circuits - including speed racing, autocross and the incredible super stunt track.
 - A host of stomach-churning obstacles - including the jump loop (upside down), the full pipe (nerves of steel required) and the corkscrew loop.
 - Record your best times and then race against yourself or your friend's best recorded races with the original buddy-race feature.
 - The 3D graphics are legendary, the re-played crashes are awesome and the handling couldn't be more realistic.
- Race Drivin' - **prepare to be amazed.**



© 1991 Tengen Inc. All Rights Reserved.™ Atari Games Corporation.
 PC, Amiga Atari ST Programmed by Graham Stafford
 Artwork and Packaging © 1991 Domark Group Ltd.
 Published by Domark Software Ltd, Ferry House, 51-57 Lacy Road, London SW15 1PR

TENGGEN

DOMARK

Space eh? Dontcha love it? There's the space time curve to play with, strange new worlds to visit and weird phenomena to investigate. Most of all there are aliens oozing from the chaos zone for you to splatter. Cue the space marines, the meanest and moodiest bunch ever to don armour and pose in front of the mirror with their weapons. *Space Crusade* is based on the board-game of the same name. It's a war-game based on bug-eyed monster bashing and male bonding. Up to three players control small bands of marines as they clump around spaceships trying not to get too killed as they follow mission orders.

Mission highly unlikely

Your first step is to choose one of three marine chapters and assign weapons. The most important bloke is your commander, who is so tough he leaves his helmet at home. He gets the praise and career progression at the end of it all, so look after him. Luckily he's got more life points than anyone else. Along with him you get five grunts. After picking up your shooters and extras it's time for the main event. There are over 20 missions, each has a main objective; some object to recover or an extra big alien to deal with. There's one thing they do all have in common though - lots of shooting. In the first few games you're likely to get embarrassingly massacred; you'll find even the easiest mission is no push-over.

Taking turns

The main screen is an overhead view of the playing area divided into squares and everything is mouse and icon controlled. The game is split into turns. You can move and fire the marines under your control in any order you like, until they've all had a bash. Then click on the next player icon and control switches to the other marine chapter or the alien scum. Nothing is in real time so you can ponder moves as long as you like. You need to make good use of ranged weapons and position your men carefully to make it. If one of your men buys the farm then all that's left is a pair of over-size boots gently smoking.

All your favourite aliens are here - space orcs, soul suckers and the lumbering metal dreadnoughts. After selecting a target some LEDs do a spot of dice rolling to decide whether it's a hit or a miss. The enemy also gets to play 'alien events' - these range from trivial things like double attacks to devastating booby traps that wipe out half your men. No amount of planning can deal with these and they add an often infuriating random element



Depending on your commander's rank you get to pick one or more 'orders' to give to your chaps. The ability to fire twice in a round or whatever. These can only be used once a mission so time it well.

Details of the currently highlighted marine bod - weapon carried and life points.

Your window on the world, the playing area is 40 squares square and it takes a good few moves to cross. You can scroll anywhere on it at the click of the mouse button.

Marines are controlled by clicking on the control panel icons. Move, fire, use special equipment and run like hell. Er, just kidding. These guys never run; I think it must be the boots.



Your heroes - click on these or directly on the main window to select a marine. Then on the control panel icon to control their actions.

Mission map, the whole caboodle. Your chaps, and any aliens you know are about, appear here as little dots.

Space Crusade



The tools of the trade. There's your standard bolter which spits explosive bullets, but effective use of the heavy weapons is crucial..



Whenever there's some rough stuff the view changes to a 3D isometric one showing the action. Everyone kneels as they fire for some reason. Here's the plasma gun in action.

to the game. Complete a mission and its home for tea and medals and the chance to do it all again. The missions take a while to complete and there are plenty of them. Unfortunately they all tend to blur into similar shoot-outs.

It's fun, not fast-paced joystick-bashing fun, but more your thoughtful, war-gamey, tactical move-type, with some mindless blasting thrown in. Issuing orders to each marine in turn can get tedious, and the tide of play can change suddenly due to a lucky or unlucky roll of the LEDs. What holds it back is the simplistic origins of the board-game. Adrenaline addicts will have to look elsewhere as will fuddy-duddy war-game rule junkies. If you like to take your aliens at a more thoughtful and simple pace it's a good outing all round.

Chris Lloyd

Space Crusade Gremlin ■ £25.99

- Easy to get into with a simple control system, looks good too.
- Extra human players adds a competitive edge although it all slows down.
- All the missions are pretty similar.
- Lacks the real-time rush of first-person role-player games like *Eye of the Beholder* and the depth of rules in the *Ultima* series.



82%

Cast back your mind to circa 1988, when a brand new style of role-playing adventure game appeared on the scene. The three dimensional views of the caverns, coupled with the ability to control a four-man team using weaponry and magic to battle the foe made it one of the most influential adventure games ever to appear. It even spawned a whole new genre in computer gaming. That game was *Dungeon Master*.

Four years on, the scene has thrown up many exciting twists on the original theme (not least in the shape of SSI's *Eye of the Beholder*) and now Electronic Arts are trying their hand at the *DM* style quest.

Once more unto the breach

The story is based around the mystical land of Astera, which has been tyrannised by an evil cleric named Estoroth Paingiver. The people of Astera banished Estoroth for his despicable acts, but he returned a year later with a demonic army to try and bring the realm to its knees. Fortunately, the people of Astera managed to trap the cleric in another dimension, saving the people from his evil plans. Unfortunately, a warp between Astera and the alternate dimension has begun to open. Four more warriors must be sent through to Estoroth's dungeons to defeat him and seal the rift forever.

This is where the game starts. You control the four man party in their quest through the various levels of the dungeons, which contain many puzzles and creatures to overcome. Your party comprises of a member from the four main guilds of Astera: a warrior, a cleric, a magic user and a druid. Each member has particular skills which are required for the quest - the warrior has good battle skills, while the other members have access to their own distinct branches of magical spells.

The gameplay is very much in the style of *Dungeon Master*. The characters are displayed as four panels at the bottom of the screen, each with their own strength level, attributes and items held in their hands. On the right of the screen is a panel showing any messages, with the movement controls and disk commands underneath. The rest of the display is taken up with the 3D display, which shows characters, objects and scenery in the immediate vicinity.

All four characters have fighting abilities, that are activated by placing a weapon in their 'action hand' and clicking on the character's

This rather grotesque chap is a little on the tough side. Two members of the brave party have already felt the power of his wrath.



Black Crypt

Needs 1 meg of memory



Oh no! A flying wotsit thingy! A few thrashes of some suitably heavy weaponry should make it behave though.

portrait. The three magical characters can cast spells from their own spell books, the only limitation being that they can only cast spells that they have learned. Learning a spell depends on a character's experience level, and is carried out by finding the required spell in a book and clicking on its name. Spells can also be cast from scrolls that are found along the way, but these can only be used a certain amount of times before the scroll is useless.

Déjà-vu?

The visual arrangement of *Black Crypt* combined with the movement and manipulation of objects makes the game extremely similar in appearance to *DM*. This wouldn't be too bad if there was something in the way of more complex puzzle-solving to carry out, or maybe even a new way of battling any creature along the way. Unfortunately, *Black Crypt* doesn't really offer you anything new in this arena. Sure enough, the graphics are nice and there are a lot of beasts to fight and levels to beat, but all of these elements don't really make any significant advances in the field of role-playing adventures.

Admittedly something like *Eye of the Beholder* is more expensive, but when you consider the fact that there is a lot more depth and atmosphere to the actual gameplay, that extra dosh could make all the difference two



By using a Wizard Sight spell, the Magic User can call up a map to show the rest of the party their position in the current dungeon.

weeks into playing the game. The problem with *Black Crypt* is that none of the puzzles you come across hold any real surprises. Where is the creepiness as you hear an enemy storming around the corner? Where are the headaches as you work out the right way to breach a chasm? Not here, I'm afraid. In fact you're more likely to get bored of the quest because you've seen it all before.

Maff Evans



A bit of armament is always useful when battling evil demons, but a wooden shield isn't the strongest of implements available.

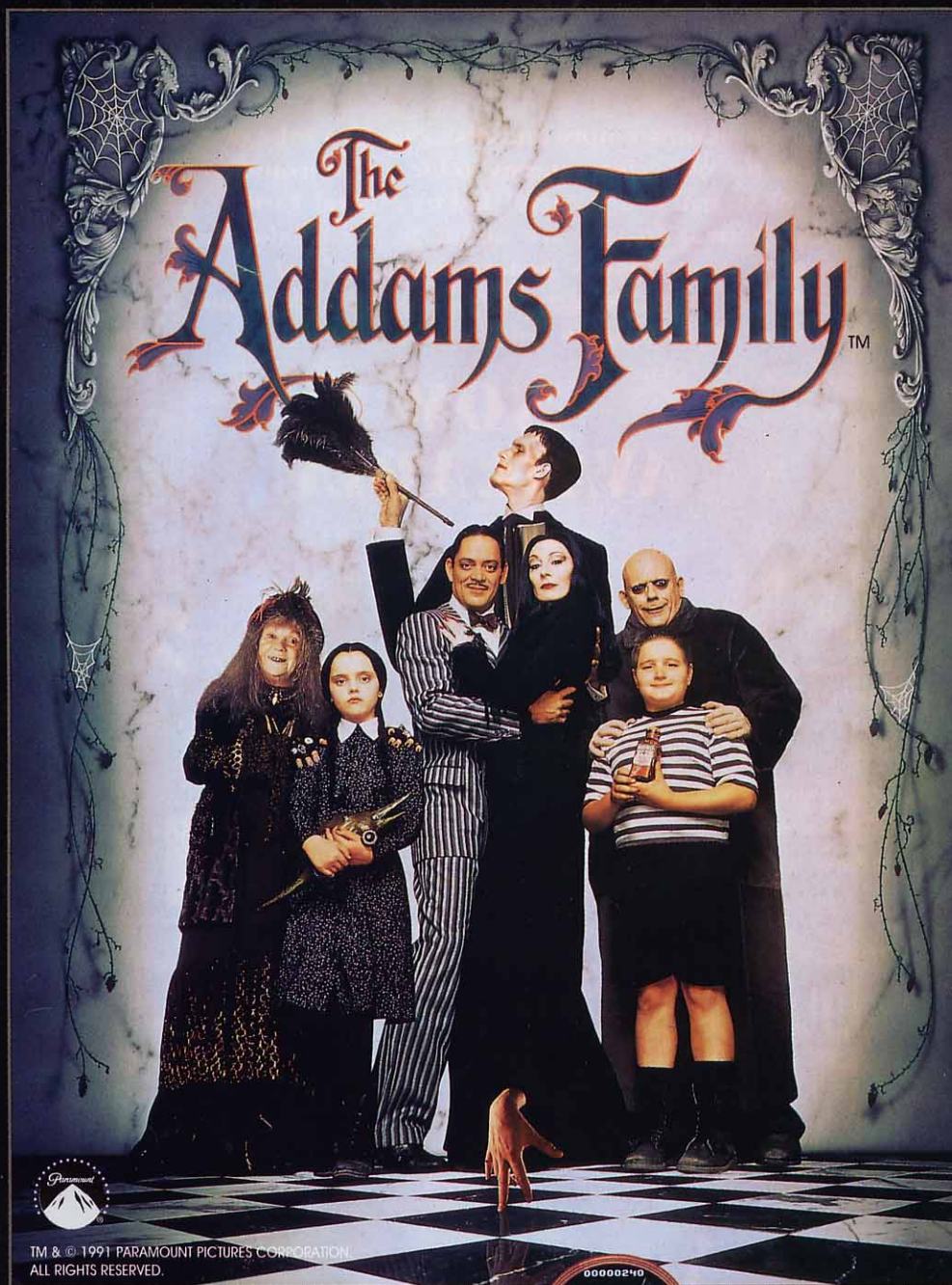
Black Crypt Electronic Arts ■ £25.99

- The characters and backdrops have been nicely drawn and the animated scenery adds a nice touch.
- There is little in the way of sound effects, which lets the atmosphere slip a little.
- The control method and character interaction is a little too similar to *Dungeon Master*.
- A competent role-playing game which just isn't really innovative enough to provide a sufficiently new challenge.

Verdict **78%**



Creepy, Kooky, Ooky, Spooky!



TM & © 1991 PARAMOUNT PICTURES CORPORATION
ALL RIGHTS RESERVED.



They do what they wanna do...

But not now that they've been evicted! Morticia, Lurch, Granny, Pugsley and Wednesday have gone back to their creepy abode to regain possession.



say what they wanna say...

But not now that they've disappeared! As Gomez you must find your loopy loved ones in their spooky mansion house.



play how they wanna play...

But watch out for Tully - he plays mean. Tully is the treacherous lawyer intent on stealing the family fortune and who has many a dirty trick up his sleeve.



dance how they wanna dance...

And you'll be shakin', rattlin' and rollin' when the spikes, monsters and ghosts save the last one for you! If you solve the puzzles and follow the clues you might just save the Addams Family so that they can...

live like they wanna live!

ATARI ST . CBM AMIGA
IBM PC & COMPATIBLES
SPECTRUM . AMSTRAD
COMMODORE



OCEAN SOFTWARE LIMITED . 6 CENTRAL STREET . MANCHESTER . M2 5NS . TEL: 061 832 6633 . FAX: 061 834 0650

ALCATRAZ

The island of Alcatraz stands empty and discarded - a relic of the past. But, as night settles, the ruins of the old prison comes to life. In an ironic twist of fate, Alcatraz is now the hide out of an evil drugs cartel, led by Miguel Tardiez, its cruel and callous chief. As a crack commando you are about to undertake the most perilous and daring mission ever. Your task - penetrate the island of Alcatraz and capture Tardiez. If you fail the State Department will simply deny any knowledge of your existence. There's no such thing as a dead hero.

NOW AVAILABLE



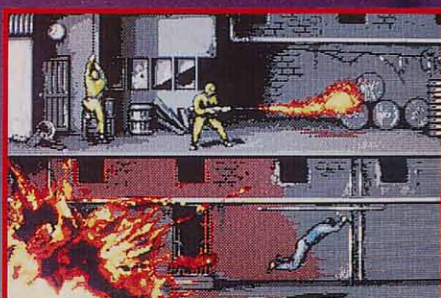
It's the final countdown, as HQ gives the last briefing.



Prepare with care, a simple mistake will cost you your life.



Track down Tardiez's men, as you move ever closer to the very centre of corruption.



One false move and your cover is blown.



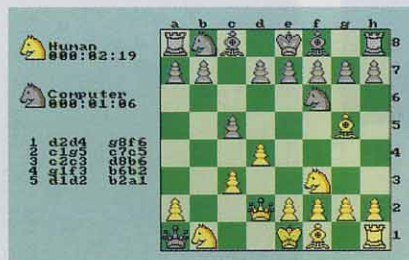
Tardiez's men lurk on every corner.

INFOGRAMES



FOR:
ATARI ST/STE - AMIGA - PC & COMPATIBLES

Chess Champion

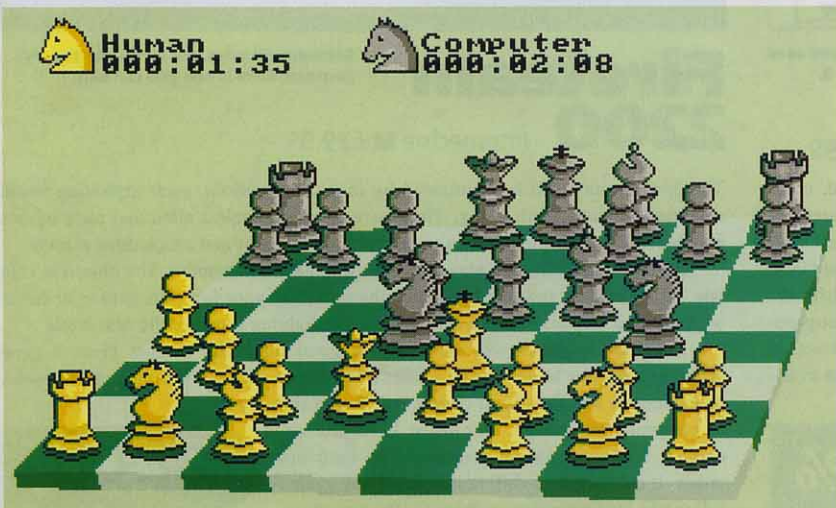


The conventional way to play chess on computer: the easily-deciphered (but ultimately bland), two-dimensional Chess Champion board. And guess what. It's winning.

which can make playing a bit stilted. The 3D perspective makes the positions of pieces at the back of the board quite hard to see, but adds a little realism. There's also a 2D mode which is a bit clearer, but like its 3D counterpart, the colours are a bit bland and boring. Moving pieces around is easy – you just drag them to their new positions with the mouse, though the screen update becomes extremely jerky while you do this.

In all, a Spartan chess game Kochnoi could be proud of, but not for the faint-hearted. Ideal for learners and enthusiasts of chess, but prepare for a few sound beatings.

Human 000:01:35 Computer 000:02:08



Chess Champion's more interesting 3D display is workable, but it can get a bit confusing when there are a large number of pieces, one behind the other. It still wins an awful lot, though.

Chess Champion

Oxford Softworks ■ £19.99

- Takes a long time to decide on its moves.
- Plays a tough, ruthless game.
- Simple graphics, and simpler sound effects.
- If you're not bothered about style and you want to learn by example – this is for you.

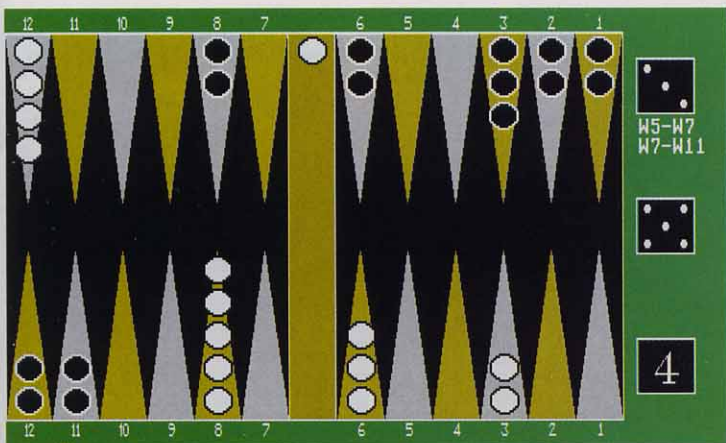


65%

AMIGA FORMAT

81

MAY 1992



Backgammon

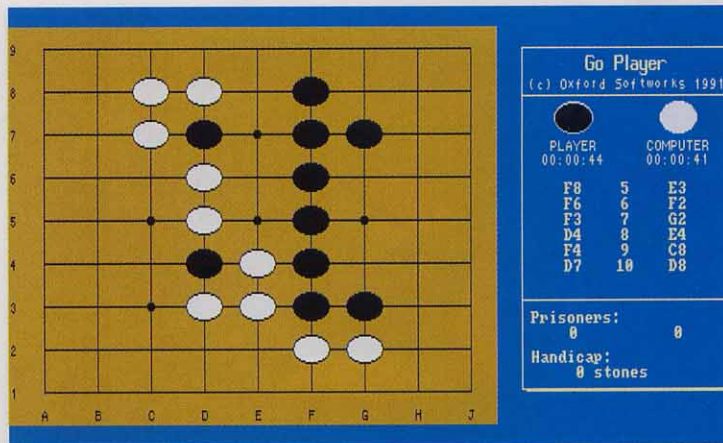
Oxford Softworks ■ £19.99

If a stropky looking geezer comes up to you and challenges you to a game of Backgammon, you'll wish you'd played this first.

If you've ever been accosted by a Backgammon player in a seedy taverna in Greece, you'll know that this game is generally one to avoid, especially if you're playing for cash. A mystery to many, and an addiction for the few, Backgammon is perhaps the oldest way to separate a fool from his money.

Oxford Softworks' Backgammon Royale gives you the opportunity to learn before you get burned, and it plays an aggressive game. You play against imaginary players, all of whom have rather twee pseudo-Greek names like San Serif. Their rating affects how much thought they put into their moves, but if you've got your wits about you it's quite easy to beat everyone except the ex-world champion.

The graphics are as simplistic as the other two Oxford Softworks games on review this month, and there's no sound at all. Luckily, neither of these factors affect the playability. Backgammon Royale is rather good fun, but that may be because it was easier to beat than the others. It's good for honing your skills before going on holiday to the Med.



Go

Oxford Softworks ■ £19.99

If it looks like Othello and plays a bit like draughts, it must be time to Go.

The Amiga version of the classic Chinese game which features Atari as one of its moves. Basically, it's a chequer-board game for two players, where the aim is to encircle your opponent's pieces with your own. It's a bit similar to Othello, but slightly more difficult. You'll need all your tactical skills working at their best to defeat even the lowest-level opponent.

The display is simplistic, featuring one of three different-sized boards – the largest one being the most difficult to conquer. The counters are circles coloured black (for your side) or white (for your opponent). You place them on the board by clicking the mouse over the grid-lines. Once placed, the computer has a quick think and then places its own counter.

The game is reasonably fast-paced, and the computer doesn't spend too long pondering over its moves, which is a boon. Each computer move is accompanied by a world-beating beep, which you can (and probably will) turn off. It's all great fun if you're an avid Go player and you have no-one to play against, but it's not really that attractive for first-timers.





Harpoon Battleset 3

Build your own Trident, and sail the seven seas nuking people, with *Harpoon Battleset 3*.

Electronic Arts ■ £14.99

Harpoon is regarded as the modern naval board-game. When first released, computer *Harpoon* was not reviewed in **Amiga Format** – because it was extremely buggy. Happily it has since been updated (although it still doesn't work well with Workbench 2). *Med Conflict* contains 16 scenarios. The major players are the USA, Israel, Turkey, USSR, Greece, Syria, Egypt and Libya. Each battle uses different nations' navies, and range from small localised gunboat diplomacy to set-piece slugging matches. The main difference between *Med Conflict* and other battlesets is play balance. American 'Super ships', such as Aegis cruisers, are simply not available. This gives a more even game.

Another important point is that because the Med is a small sea, the battles do not drag on as past battlesets have done. *Harpoon* is a slow, diverse, interesting tension-filled game.

Verdict 78%



Fireteam 2200

Someday all wars will be fought like this. *Fireteam 2200* is one you can win.

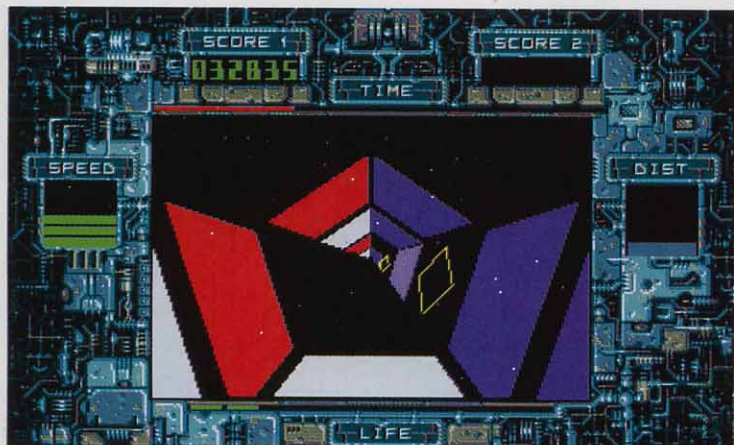
Internece ■ £29.99

The 23rd century will be dominated by mega corporations, each exploiting world resources to keep Earth going. They have to guard against alien and each other's attacks, so they hire mercenaries to protect their interests and attack other planets.

In *Fireteam 2200*, you play a career mercenary commander. The objective is to win battles and get rewarded. You can then build up your fireteam, getting different weapons and officers to make a more effective fighting force for the next battle.

Fireteam is graphically weak. It's a good thing the manual gives a good grounding on how to get started – after a few failed attempts you pick up the basics of movement and fire. Most people will find it difficult to get proficient though, due to the keyboard-based control. It doesn't install properly onto hard disk either. It certainly is a different kind of war-game – full marks for originality; nothing for the execution.

Verdict 55%



Psyborg

Loricel ■ £26.99

Psyborg - Is it the *Tempest* of the nineties or another good idea gone badly wrong?

There is a place in the dark, deep, far-off regions of space where the planets are linked by strange, geometric pathways. Unfortunately, though, a mysterious alien force is using these pathways to pass between planets, and you must travel through the pathways in an attempt to seek them out. This is done in *Psyborg* by moving along the panel-like strips, which shift around as you progress in the game. Your aim is to try and reach the exit gate (without actually stepping off the path) before the timer runs out. Special panels are scattered along the route, giving extra time, jumps and power bonuses.

Although the idea behind *Psyborg* is interesting enough, the game itself is fairly lame. All you have to do in fact is push the joystick forward and then twitch it from side to side as the floor moves. As you can imagine, it's hardly the most riveting action around. There are quite a few levels, but the actual gameplay stays pretty much the same throughout. *Psyborg* is sadly another 'all plot and no action' affair which just doesn't hold much water when compared to other future-sport games.

Verdict 36%



The Jetsons

Hi-Tec ■ £12.99

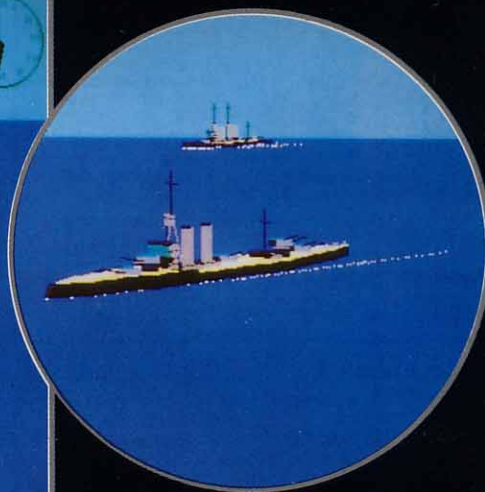
Meet the Jetsons, the Simpson's poor cousins. Say hello and giggle quietly as they behave like total nutters. Then leave, quickly.

Whether you're familiar with Hanna-Barbera's cartoon or not, half-an-hour with this cartoon tie-in is long enough to put you off this sad, shambling bunch of nauseating space-age gits for life. There are four levels, each with two stages. The first stage is always a wander-around-em-up caper, the second a flying sequence. Dodge the blackholes, avoid getting picked up by the inter-galactic traffic police and resist the temptation of setting about your Amiga with a pickaxe. The backdrops may change to preserve the facade, but the characterisation remains weak, the action consistently gameplay-free and the graphics abysmal.

The graphics remain poor throughout and the accompanying sound-track is guaranteed to keep your tortured nerves a-jangle for weeks. In fact, the repercussive effects of this computer game when *The Jetsons* next grace our TV screens don't even bare thinking about. No, *The Jetsons* is one game to avoid at all costs. It's a shame that after the excellent *Scooby Doo* Hi-Tec should release a dud, but seemingly it happens to everyone at some point.

Verdict 29%

COULD YOU WIN ONE OF HISTORY'S GREAT SEA BATTLES?



The screen shots show British battleships steaming towards the German High Seas fleet, at the Battle of Jutland.

DREADNOUGHTS is a computer simulation. It recaptures the drama and spectacle of history's great naval battles – from the Ironclads of the 1890s to the sinking of the Bismarck.

The DREADNOUGHTS program includes the battles of Coronel (1914), Falklands (1914), Dogger Bank (1915) and Jutland (1916). These battles have been meticulously researched, are displayed in full 3D and are complete with shattering sound effects. All the player has to do is take the role of Admiral... DREADNOUGHTS is available for the IBM PC and compatibles, Commodore Amiga, Atari ST, and Acorn Archimedes. **Price £34.95** (inc. VAT & postage). Optional Scenario Disks require the Dreadnoughts program:

Ironclads Scenario disk:

The Battle of Yalu	1894
The Battle of the Yellow Sea	1904
The Battle of Ulsan	1905
The Battle of Tsushima	1905
Price £16.95	

Bismarck Scenario disk:

The Battle of the River Plate	1939
The Battles with the Bismarck	1942
The Battle of Java Sea	1942
The Battle of North Cape	1943
Price £16.95	

Please send cheque/PO to: **Turcan Research Systems Ltd, 83 Greencroft Gardens, London NW6 3LJ** – or telephone an order using your credit card to:



071 625 8455

(Orders are despatched within 48 hours)

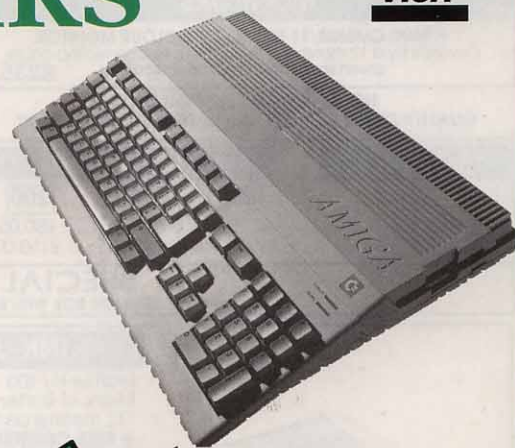


Programmer: Dr Peter Turcan – the author of Waterloo and Borodino

Access

AMIGA REPAIRS JUST £44.95 inc.

VISA



- ★ Commodore registered
- ★ Over 10 years experience with Commodore computers
- ★ 20 qualified technician engineers at your disposal
- ★ We will undertake to repair your Amiga 500 computer for just £44.95 including parts, labour, VAT and post & packing
- ★ Most computers should be repaired within 24 hours of booking in.
- ★ Prices include full service check, overhaul, soak-test and replacement of power supply unit if necessary
- ★ Repairs to keyboard and disk drive also included (£25 extra if these units are unrepairable and require complete replacements)
- ★ All repairs covered by a 90 day warranty

Upgrade your Amiga from 512K to 1Mb of memory for just £25.00
SPECIAL EXCLUSIVE OFFER:

If you submit your computer to ourselves for repair, enclosing this advert along with just an additional £25, we will supply and fit a 512K memory expansion at no extra cost.

How to take advantage of this exceptional offer: simply send or hand deliver your machine to the workshop address detailed right, enclosing payment and this advert and we will do the rest. (If possible please include a daytime telephone number and fault description).

* If you require 24 hour courier to your door, please add £5 else your computer will be sent back by contract parcel post.

WTS ELECTRONICS LTD

STUDIO MASTER HOUSE
CHAUL END LANE
LUTON, BEDS, LU4 8EZ

Telephone (0582) 491949 - (4 lines)

WTS reserve the right to refuse machines that in our opinion are tampered with, to an extent beyond reasonable repair - normal charge applies.

QUALITY SERVICE



QUALITY PRODUCTS

ROCLITE 3.5 SLIMLINE DRIVE



- Amiga Format says "beautifully made slimline drive, quick and quiet with all the extras - 85%"
- * 3.5" 880KB External Drive
- * Access time: 3ms track to track
- * 0.9" high
- * Enable/disable switch
- * 23 pin pass through socket
- * Allows connection to a 3rd drive

£51.50

AMIGA EXTERNAL HARD DRIVE ROCHARD



- * External hard drive for Amiga 500
- * Built in Autobooting
- * On board Ram option up to 8Mb
- * Beginner friendly on-line help
- * A super-fast, high capacity hard drive that leaves others in its wake

Rochard RH800C	
52Mb IDE 0K	£329.95
Rochard RH800C	
84Mb IDE 0K	£385.00
Rochard RH800C	
52Mb SCSI 0K	£359.95

ROCGEN PLUS GENLOCK



- * User friendly design, easy installation
- * Video-Thru & RGB - Thru Ports
- * Variable fading effect; inversion of overlay function
- * Key-in port for expansion with external keying device
- * Compatible with all Amiga models & Commodore CDTV

£149.00

AMIGA UPGRADES

ADDUP A500 Plus 1Mb RAM expansion board£46.00

AMIGA EXTERNAL FLOPPY DRIVES

ADDUP Data Drive 3.5" floppy drive slimline 1" floppy drive....£47.50

INTERNAL RAM EXPANSION

Amiga A501 RAM/clock expansion unit 500/500 Plus	£84.50
Amiga A2508 8Mb RAM board 1500/2000	£295.00
GVP SIMM 32bit 1Mb Upgrade - 60ms 1500/2000	£55.00
GVP SIMM 32bit 4Mb Upgrade - 60ms 1500/2000	£95.00

MONITORS

PHILIPS CM8833/11 STEREO 14" COLOUR MONITOR.
Covered by a 12 month warranty. Includes connecting cable, green screen switch UK specifications **£235.**

**NO APOLOGIES JUST QUALITY!
QUALITY DISKS! QUALITY VALUE! FREE STORAGE BOX!**

3 1/2" DISKS

	50	100	200
DSDD 1Mb	£27.50	£45.00	£80.00
DSHD 2Mb	£46.00	£80.00	£150.00

MITSUBISHI

3 1/2" DISKS

	50	100	200
DSDD 1Mb	£17.00	£33.00	£64.00
DSHD 2Mb	£54.00	£53.60	£106.00

UNBRANDED

SPECIAL DISK OFFER

*** FREE STORAGE BOX WITH EACH PURCHASE OF 40+ DISKETTES ***

* INK-JET PRINTERS

Brother HJ 100
Mains or Battery PORTABLE£245.00
*12 months on-site maintenance
* **FREE CONNECTING CABLE!**
HEWLETT PACKARD
Desk Jet 500.....£350.00

* ACCESSORIES

Mouse Mat.....	£2.10
Mouse Pocket.....	£1.95
Amiga Dust Covers.....	£3.50
2 piece Universal Printer Stand	£4.95
Monitor Stand, tilt/swivel	£11.00
3.5" Cleaning Kit	£1.95
14" Colour Screen Filter	£8.50
Monitor Plynth.....	£19.95
Monitor Cables.....	£8.50
Data/Printer Cables.....	£6.95
Data Switches	
2 way parallel	£10.95
2 way serial	£10.95
4 way parallel	£19.50
Mouse Pad Station includes mouse pad, mouse holder, wrist rest and pen/pencil tray	£5.95

PLEASE PHONE FOR DETAILS OF SOFTWARE AND OTHER ACCESSORIES, INCLUDING RIBBONS ETC.

WHY 316?

- * FAST EFFICIENT SERVICE
- * WE ONLY SELL QUALITY PRODUCTS
- * WE CAN MEET ALL YOUR HOME COMPUTER & OFFICE NEEDS
- * FRIENDLY & HONEST SALES TEAM
- * SPECIALIST MEDIA KNOWLEDGE
- * PRE & POST SALES TECHNICAL ADVICE

* JOYSTICKS

Maverick 1 QS138F	£10.95
Flightgrip 1 QS129F	£7.50
Python 1 QS137F	£8.50
Quickshot Turbo II	£7.95
Starfighter 1 remote control	£25.50
Speedking Autofire	£8.95

* LOCKABLE STORAGE BOXES

3.5"	10 Capacity	0.65
	25 Capacity	£1.95
	40 Capacity	£3.80
	50 Capacity	£4.40
	80 Capacity	£5.15
	100 Capacity	£5.25

HOW TO ORDER

BY PHONE

0446 421316

BY FAX

0446 420404

BY POST

316 SUPPLIES LTD
7/8 TY VERLON
INDUSTRIAL ESTATE, BARRY,
SOUTH GLAMORGAN
CF6 3BE

PRICES EXCLUDE VAT

Make cheques and postal orders payable to 316 Supplies Ltd. Please send this together with your name, address and daytime telephone number, if possible and your order requirements to our address above.



CARRIAGE CHARGES

Please add £5.00 per order for carriage and packing
Guaranteed NEXT day delivery £9.00



Subject to availability despatch is normally effected within 2 days from receipt of cleared payment. Please allow 7 working days for cheque clearance. All orders will be fulfilled within 28 days unless otherwise notified.

Prices and manufacturers specifications subject to change. E&OE.

BEST BUYS SAVE £££'s

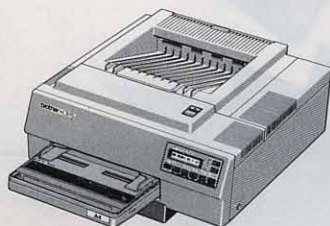
DEAL 1 ROCTEC MOUSE
QUICKSHOT
TURBO JOYSTICK
ADD UP STARTER PACK
~~£28.40~~ OUR PRICE **£23.95**

DEAL 2 ROCTEC MOUSE
MOUSE PAD STATION
3.5" CLEANING KIT
10 3.5" DISK IN PLASTIC BOX
~~£24.55~~ OUR PRICE **£19.95**

DEAL 3 ROCTEC SLIMLINE DRIVE
10 X 3.5" DISKS IN PLASTIC BOX
3.5" CLEANING KIT,
100 CAPACITY STORAGE BOX
~~£63.40~~ OUR PRICE **£58.00**

DEAL 4 UNIVERSAL PRINTER
STAND, AMIGA DUST
COVER, 1 REAM A4
PAPER, 14" SCREEN
FILTER, KEYBOARD STATION.
~~£36.40~~ OUR PRICE **£29.95**

DEAL 5 ADDUP AMIGA A500
PLUS UPGRADE,
1Mb EXPANSION
BOARD,
14" SCREEN FILTER,
50 X 3.5" DISKETTES, 50 CAPACITY
STORAGE BOX, 3.5" CLEANING KIT,
AMIGA DUSTCOVER
~~£93.70~~ OUR PRICE **£79.95**



* DOT MATRIX

1818 80 Column 18 pin	£280.00
1918 136 Column 18 pin	£412.75
M2518 colour/mono	£617.00
M1924L 24 pin 136 column.....	£495.00
M1309 9 pin 80 column	£165.00
Commodore MPS1270 mono ink jet printer.....	£127.95

* LASER PRINTERS

HL-4V	4 pages/minute	£800.00
HL-8E	8 pages/minute	£1148.95
HL-8QS	8 pages/minute	£2085.00
HL-8V	8 pages/minute	£1235.00

OI! YOU'D BETTER BUY SEGA POWER THIS MONTH...

BRITAIN'S BEST-SELLING SEGA MAGAZINE!

SEGA POWER

NOT AN OFFICIAL SEGA PUBLICATION
£1.95
ISSUE 30 MAY 1992

WIN!
Tickets for
the British
Grand Prix
Plus loads of goodies
- get to page 18!

**DRIVE LIKE
A LOONY!**

Into overdrive with Ballistic's
TEST DRIVE 2: THE DUEL!
Also inside this smart issue...

- Over 350 games reviewed and rated!
- Fun with those barmy Manic Street Preachers!
- All-new Sega heroes comic adventure!
- 5 packed pages of tips for Sonic The Hedgehog on the Master System!

**BRILLIANT
SEGA BOOK
FREE
WITH THE MAY
ISSUE**

ROAD RASH
SEGA POWER PRESENT

A novel based on the best
selling Sega game
Sega is a trademark of Sega Enterprises Ltd.

Future
PUBLISHING
Your guarantee of value

9 770961 271023

... 'COS WE KNOW WHERE YOU LIVE!



Cheap 'n' Cheerful

Tired with 'election fever'? Fed up with so-called 'inert gases'? Sit down on the sofa with **James Leach** and feel the tenseness drain from your body. Think of the money you'll save by buying budget games instead of sports cars, jewellery and small airlines...



Good kill! (The actual kill is that tiny explosion in the middle distance. Tsk. Modern missiles, eh?)

F16 Combat Pilot

Action 16 ■ £7.99

If it's not the grand-daddy of most modern Amiga flight sims, then *F16* must be a benevolent Uncle who comes round a lot. What you have is a detailed and highly complex cockpit, about two million radar/combats/missile modes and about 4,000 keys to press. Despite this initial impenetrability, *F16* is a crackingly good flight sim. It's fast, it's smooth and it gives you a nice shiny Falcon to point at Russians in order to scare them.

What's apparent though, is MicroProse et al have learnt from the worst aspects of *F16*. For example, here you've got to faff around with a radio, work out bearings, vectors and other fiddly things and look at a complicated cockpit display panel which takes up most of the front view. It's just too accurate. If you're a real flight sim addict and you like getting to grips with techie wibble, *F16* will please you immensely. If you're a gamesplayer who likes the odd combat air patrol, think twice, even at this price.

Verdict 80%



Into the Valley of Explosions rode an idiot in a woefully underweaponed spacecraft.

Denaris

Rainbow Arts ■ £7.99

For quite a while, everybody was making this sort of game. You scroll along through metallic caverns, blasting fleets of alien fiends who swoop down on you from every, er... crevice.

Denaris wasn't exactly the first of these games, but it also wasn't really the worst. The graphics are as good as they need to be and the speed of the action won't give you any thinking time, but then you don't need that much time to think here. All you have to do is blast, dodge, blast some more and, in fact, just keep blasting. There isn't even a software autofire, so it's arthritis of the thumb time as you jiggle that digit furiously.

All well and good, but don't you have a game like this? Think carefully, because lurking somewhere, every Amiga owner *must* have a game exactly like *Denaris*. But if, in the unlikely event that you are the person who missed out, and you want a shoot-em-up, then you'll be getting a lot of baddies and some nifty caverns to fly through with this 'un.

Verdict 73%



Don't worry it's all just a bit of harmless rough and tumble. It all adds to a bit of male bonding.

Renegade

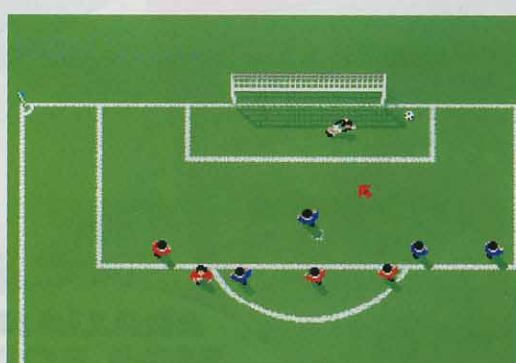
Hit Squad ■ £7.99

What are you if the entire world wants to kill you? You're a Renegade, that's what. You're also a dead man. In *Renegade*, the plot is fairly unimportant. What really matters is that you get to thump, kick and otherwise maim any or all of the characters who wander onto your screen to meet you.

You have a variety of fighting moves to inflict upon the unwary computer opponents, and after a few good whacks they fall down, shimmer and die. If your brain isn't too taxed by all this, try to remember to walk from left to right. This brings on more baddies (hooray).

Renegade is probably one of the better beat-em-ups. It has got rather smooth gameplay, nice graphics and a lot of 'feel' to it. For an added special effect you could have a go at flicking tomato ketchup at the screen as you play. It worked for me...

Verdict 71%



I'll confuse the keeper by deliberately not aiming at the goal (smirk smirk!).

1st Division Manager

CodeMasters ■ £7.99

How easy can it be to run a first division side? You won't find out by playing this game, but you might while away a few hours.

The idea is to get your team to win everything. You do this by making decisions, buying players, training them and generally optimising your chances. It's a mouse-controlled text-heavy clicking session spiced up with the odd graphic as you make your do-or-die choices.

When you're happy, it's off the the pitch-side to watch what look like the *Kick Off* guys as they rush around during bouts of goal-mouth action. You can't control them, you can only sit helpless as they cock up every chance that comes their way.

Verdict 66%



Take that, soft fleshy human being. That'll learn you to bung grenades at errant cyborg tin cans.

RoboCop

Hit Squad ■ £7.99

RoboCop was a huge licence in its time, but since then interest has waned, and the only reason people would buy it now is if it was an excellent game. So is it? Well, it's not bad. You control Robo as he wanders through the horizontally-scrolling streets of old Detroit. Baddies appear from all directions, and it's your onerous duty to either blast them with your specially matching automatic handgun or simply to punch them out of existence with, er, your special fists.

Plenty of baddies on plenty of levels will keep you slugging it out for a fair while, and, in the usual way. Ultimately, though, it's a bit tedious and, and is now certainly showing its age.

(Verdict) **57%**



Yes! You can wipe out a small middle-eastern town and win a Metro!

Operation Thunderbolt

Hit Squad ■ £7.99

Don't try to bottle up that latent xenophobia. Sit on this couch and relax. Let it all come out. Without opening your eyes, gently boot up *Operation Thunderbolt*.

Open your eyes slowly. Lightly but firmly grasp the joystick. Now allow your machine-gun fire to wash over the mock 3D figures who rush past your view. That's it. See how they die? Move the sights over those Middle Eastern gentlemen. Keep firing. Get the extra ammo pods as they fall. Relax. And just let the hatred flow through you.

(Verdict) **44%**



I must stop and think for a moment. This guy is blowing out my ribcage. Do I know him? Have we met?

The Untouchables

Hit Squad ■ £7.99

Play this after you've played *RoboCop* and you could be forgiven for thinking that Eliot Ness is Alex Murphy with a hat on. Yes, it's another horizontal-scroller walk and shoot. This time you're in various Chicago locations, and your aim is to kill everyone you find there. Presumably they've all broken the law at some point.

Pick up weapons and ammo, remember to get that guy hiding at the top of the screen. That's about it, really. As you wander through the levels you have to dodge gunfire that appears from the populace, whilst shooting them back. It's pretty fast, pretty big and pretty pretty. But that it's it.

(Verdict) **38%**



It hacks, chops slices, dices, grinds and makes terrific milkshakes. Get yourself a broadsword from Ronco today.

Ivanhoe

Hit Squad ■ £7.99

Strap on ye bucklers and prepare for an adventure in olde merrie England. Or alternatively, boot up *Ivanhoe* and kill some computer folk. For it's another horizontal walk-along-and-chop-baddies game. *Ivanhoe* does have the merit of being cartoony, owing to its use of large sprites and smooth animation, but it lacks the cutting edge needed to make it something special.

It looks different, and has a certain style and charm about it. But when you try and play the game, it leaves you bewildered. So much is going on that everything gets confused and you end up hammering the fire-button. Nice graphics, plenty of action, but shame about the gameplay.

(Verdict) **56%**

Corner again



Frenetic footballing, piping hot fun, what people were playing before *Populous 2* and a great picture show. What a bargain!

Award Winners

Empire ■ £25.99

Populous, Kick Off 2, Pipemania, Space Ace.

Populous is the original god-game. Fun to play, involved and complex to think over, and very stylish to look at. *Kick Off 2* is still the classic footy game for the Amiga. *Pipemania* is a puzzle game for would-be plumbers. Connect the bits of pipe into networks against a strict time limit. *Space Ace*. OK, so you're getting three great games and a slideshow for your £25.99.

(Verdict) **85%**



The Ninja Collection

Fine if you desire three pretty similar fighting games.

Ocean ■ £19.99

Double Dragon, Shadow Warrior, Dragon Ninja

Double Dragon allows you to play the parts of a couple of street-fighting girls. Punching, whipping, kicking and general hurting is afoot, with nice clear graphics and a reasonable amount of gameplay. *Shadow Warrior* also allows you the opportunity of serious violence. As well as hurting animate objects, you can also damage phone kiosks, cars light aircraft and various other items of street furniture. It's a pity that the game is so bad, then. *Dragon Ninja* is of course, in the same vein.

(Verdict) **43%**

Oh no! It's that Compilation

JOHN BARNES

European Football

**AMIGA &
ATARI ST
1 MEG ONLY
£25.99**



THE NEXT GENERATION IN FOOTBALL SIMULATIONS FROM KRISALIS

JOHN BARNES EUROPEAN FOOTBALL, BRINGS THE WORLD FAMOUS TWICE FOOTBALLER OF THE YEAR TO YOUR COMPUTER IN THIS ACTION PACKED ARCADE SIMULATION OF THE EUROPEAN CHAMPIONSHIPS. GAME FEATURES: DIVING HEADERS, PENALTY SHOOT-OUTS, PLAYERS HEAD FOLLOWS THE BALL, IN-GAME RANDOM WEATHER CONDITIONS (AMIGA ONLY), GAME RUNS AT ARCADE SPEED, OVER 100K OF STEREO SOUND EFFECTS (AMIGA ONLY), FREE KICK SET PIECE

DESIGNER WHICH ALLOWS THE PLAYER TO BUILD DEFENSIVE WALLS AND COMPLEXED FREE KICK ROUTINES, ANIMATED CROWDS (AMIGA ONLY), WILL ACCEPT SOME CONSOLE JOYPADS GIVING TWO INDEPENDENT BUTTON CONTROL, ACTION REPLAYS, RED AND YELLOW CARDS, AFTERTOUCH, SUBSTITUTIONS, NAME OF PLAYER ON THE BALL. THE GAME ALLOWS YOU TO CONTROL JOHN BARNES OR THE NEAREST PLAYER TO THE BALL.



Sorting out the wheat from the chaff is always a problem. That's where Amiga Format's at-a-glance guide comes into its own. Take a trip to...

The Magical History Scores

THIS MONTH'S SCORES

If you've still got cash in your pockets after the post-election tax hikes, why not spend it on one of these? They may not put bread on your table, but they'll put a smile on your face. As always, the top ones are the juiciest ones.

Vroom	UBISoft.....	91%
Dynablast/Bomberman	UBISoft.....	87%
Space Crusade	Gremlin	82%
Titus the Fox	Titus	81%
Elvira 2 — The Jaws of Cerberus	Accolade	81%
Black Crypt	Electronic Arts	78%
Harpoon Battleset 3	Electronic Arts	75%
Brides of Dracula	Gonzo Games	73%
Backgammon Royale	Oxford Softworks	67%
Ultima VI	Origin/Mindscape	67%
Chess Champion	Oxford Softworks	65%
Go!	Oxford Softworks	64%
Space Gun	Ocean	57%
Fireteam 2200	Internecine	55%
Gateway to the Savage Frontier	US Gold.....	45%
Race Drivin'	Domark	45%
Psyborg	Loriciel.....	36%
The Jetsons	Hi Tec.....	29%

LAST MONTH'S SCORES

If you missed last month's red-hot Screenplay, you don't really deserve to know the scores. But we're nice folk at Amiga Format, so here's the lowdown.

John Madden's Football	Electronic Arts	94%
Shadowlands	Domark	93%
Storm Master	Silmarils	90%
Return of Medusa	Starbyte	85%
Pinball Dreams	21st Century	84%
Harlequin	Gremlin	78%
Wayne Gretzky Hockey 2	Bethesda/US Gold	78%
WolfChild	Core Design	76%
PGA Tournament Courses	Electronic Arts	72%
Mad Dog Williams	Game Crafters	72%
Crime City	IF	70%
Starbyte Super Soccer	Starbyte	63%
Video Kid	Gremlin	60%
Big Run	Storm	58%
4D Sports Driving	Mindscape	33%
Leisure Suit Larry 5	Sierra	50%
Willy Beamish	Sierra	44%
Great Napoleonic Battles	Impressions	40%
Borobodur	Thalamus	35%
Hare Raising Havoc	Infogrames/Disney	25%

ISSUE 32'S SCORES

Incarcerated in shops around the country, you'll find these games, looking sad. Do the decent thing—set them free.



Three months down the line and **Robocop 3** is still a strong seller. Ocean's best-ever licence, the game is a 3D action game featuring some tense atmosphere and excellent effects. If you've missed this one (and you ought not to), there might just be time to pick a copy up.

Robocop 3	Ocean	91%
Heart Of China	Sierra	90%
Mercenary 3	Novagen	87%
Kid Gloves 2	Millennium	79%
Leander	Psygnosis	78%
Fate: Gates of Dawn	reLine	77%
WWF Wrestlemania	Ocean	72%
Realms	Virgin	69%
Golden Eagle	Loriciel.....	59%
Moonstone	Mindscape	59%
The Godfather	US Gold	46%
Red Baron	Dynamix/Sierra	39%
Falling Jewels	Soft and Easy	38%
Steve McQueen	Loriciel.....	26%
Thunder Burner	Loriciel.....	22%

LAST YEAR'S SCORES

This is the way the world looked last year. There are a few stormers here – and some can be picked up for peanuts.

Railroad Tycoon	MicroProse	FG92%
PGA Tour Golf	Electronic Arts	FG90%
Gem-X	Demonware	88%
Brat	ImageWorks	87%
Armour Geddon	Psygnosis	85%
Warlords	Strategic Studies Group	85%
Battlestorm	Titus	83%
Pro Tennis Tour 2	UBISoft	82%
Wreckers	Audiogenic	82%
Chuck Rock	Core Design	80%
Supercars 2	Gremlin Graphics	80%
The Killing Cloud	ImageWorks	80%
Escape from Colditz	Digital Magic Software	79%
Backgammon Royale	Oxford Softworks	78%
UMS II	Rainbird	77%
A-10 Tank Killer	Dynamix/Sierra	75%
Moonfall	Hewson	71%
Demoniak	Pure Fiction	70%

TOP TEN AMIGA
BUDGET PRICE CHART

1(-)	F16 Combat Pilot	Action Sixteen	£9.99
2(1)	First Division Manager	Code Masters	£7.99
3(-)	James Pond	GBH	£7.99
4(2)	Scooby Doo	Hi Tec	£7.99
5(-)	Toyota Celica Rally	GBH	£7.99
6(-)	Rainbow Islands	Hit Squad	£7.99
7(10)	New Zealand Story	Hit Squad	£7.99
8(-)	Italia 90	Tronix	£9.99
9(6)	Wacky Races	Hi Tec	£7.99
10(9)	World Cricket	Zeppelin	£7.99

LAST YEAR'S TOP
TEN FULL PRICE CHART

1	Lemmings	Psygnosis
2	Speedball 2	Mirrorsoft
3	Turrican 2	Anco
4	S.W.I.V.	Storm
5	Final Whistle	Anco
6	F-19 Stealth Fighter	MicroProse
7	Panza Kick Boxing	US Gold
8	A-10 Tank Killer	Dynamix/Sierra
9	Kick Off 2	Anco
10	Fists of Fury 2	Virgin

THE TOP 30 AMIGA
FULL PRICE CHART

1(1)	■ Formula One Grand Prix	MicroProse	£34.99	FG92%
2(-)	Re A320 Airbus	Thalion	£35.99	78%
3(3)	■ Jimmy White's Whirlwind Snooker	Virgin	29.99	FG91%
4(2)	▼ WWF Wrestlemania	Ocean	£25.99	72%
5(-)	New Harlequin	Gremlin Graphics	£25.99	78%
6(4)	▼ Birds of Prey	Electronic Arts	£34.99	88%
7(7)	▼ Robocop 3	Ocean	£25.99	FG91%
8(14)	▲ Dizzy Collection	Code Masters	£24.99	Comp
9(5)	▼ Populous 2	Electronic Arts	£29.99	FG95%
10(-)	New World Series Cricket	Soundware International	£29.99	Next Issue
11(-)	New Ultima VI	Origin/Mindscape	£30.99	67%
12(11)	▼ Another World	Delphine US Gold	£25.99	82%
13(15)	▲ Abandoned Places	Electronic Zoo	£29.99	80%
14(-)	New Castles	Electronic Arts	£29.99	Next Issue
15(29)	▲ Terminator 2	Ocean	£25.99	60%
16(17)	▲ Oh No! More Lemmings	Psygnosis	£19.99	82%
17(10)	▼ Football Crazy Challenge	Anco	£25.99	Comp
18(16)	▼ PGA Tour+	Electronic Arts	£29.99	Comp
19(18)	▼ Alien Breed	Team 17	£24.99	74%
20(24)	▲ Monkey Island	Lucasfilm/US Gold	£29.99	FG92%
21(19)	▼ First Samurai	Mirrorsoft	£30.99	FG91%
22(-)	New 2 Hot 2 Handle	Ocean	£29.99	Comp
23(8)	▼ Lotus Turbo Challenge 2	Gremlin Graphics	£25.99	89%
24(28)	▲ Soccer Stars Compilation	Empire	£25.99	Comp
25(-)	Re Knights of the Sky	MicroProse	£34.99	88%
26(9)	▼ Heimdall	Core Design	£34.99	88%
27(12)	▼ Leander	Psygnosis	£25.99	78%
28(-)	New Ninja Collection	Ocean	£19.99	Comp
29(-)	New The Jetsons	Hi-Tec	£12.99	29%
30(26)	New Board Genius	Beau Jolly	£29.99	Comp

Chart Chatter



A vroom with more views—Geoff Crammond's *F1 GP* takes the (yellow) chequered flag again.



Safe? Of course it's safe. I've been flying the *A320* for years now, and.. hello? Hello! Er...

Strange news in the charts this month—at last ELSPA (the publishers association) have found a sponsor to help fund the Gallup poll. Who is the mystery patron? None other than McVities — makers of the Penguin choccy biccies. What next? Will we ever see a St Michael Underwear chart or the top-selling games from Habitat? Only time will tell...

Meanwhile, for the second month in a row, *Formula One Grand Prix* maintains its lead over the opposition. By now it must be at least a lap ahead of the backmarkers, leaving them choking on dust. In second place, high above the clouds of smoke is *A320 Airbus*—which dropped out and disappeared ages ago, only to pop up on our scopes out of the blue. Too much like the real thing, we reckon.

Third, *Jimmy White's Whirlwind Snooker* is thoroughly, er, snookered. He's returned to his old rigid stance and isn't moving for any-

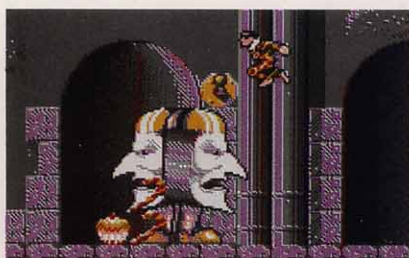
one. He's knocked the awful *WWF Wrestlemania* over the head with a well-aimed cue, plonking it right over the ropes.

As if there wasn't enough clowning around, Gremlin's *Harlequin* makes a surprise attempt to take on the big boys. He's going to have to work hard to avoid a red nose.

At the back of the the pack, a few desperadoes still refuse to go down—*Birds of Prey* circles around the number six spot, while *Robocop* guards his lucky seven.

In eighth place, the *Dizzy Collection* bounces back into the top 10 for the umpteenth time. No wonder it's dizzy—it's going up and down like a well-oiled lift.

Populous 2 finds that being god isn't all roses, and falls off its cloud, plummeting down to number nine, while John Major's fave, *World Series Cricket*, sneaks into number 10 by the back door. A bit spooky, huh?



D'you see that? A grown man in a romper suit!



Mirror, mirror, will I be in the charts in June?

AMIGA CDTV

Amiga CDTV is a revolutionary new concept in home entertainment and education, representing leading edge technology. The CDTV player combines a high quality performance CD audio system, advanced Amiga technology and infrared remote control to offer a huge range of interactive applications, from Mega games to music and educational applications. Each CD-ROM disk can store an incredible 540MB of data, equivalent to a quarter of a million pages of text.



AMIGA CDTV GAMES PACK



The best value CDTV games pack around featuring two top quality games in original packaging and also the 530 titles megadisc, FRED FISH all completely free.

XENON 2

RRP £29.99

The ultimate arcade action game featuring top chart stereo sounds and artist history.

PSYCHO KILLER

RRP £29.99

Driving down unfamiliar country roads after dark, your worst nightmare comes true!!

FRED FISH MEGADISC

RRP £79.00

530 titles on this one CDTV disk free with this package!!

THE ULTIMATE GAMES SYSTEM FEATURING:-

- Amiga CDTV player
- Software:-
- Welcome disc
- Lemmings
- Hutchinson's Encyclopaedia
- Infra Red Remote Controller

SAVE
£139.98

RRP - £638.97

CALCULUS PRICE

£499.99

AMIGA CDTV UPGRADE PACK

The CDTV Amiga Upgrade Pack allows existing CDTV owners to tap into the massive base of Amiga 3.5" games software.



Upgrade Pack contains:- • CDTV Amiga keyboard • 3.5 CDTV Amiga external black drive

FRED FISH MEGADISC

530 TITLES ON THIS ONE CDTV DISK WITH THIS PACKAGE!!!

RRP - £208.99

CALCULUS PRICE

£149.99

WORTH
£79.00
R.R.P.

THE NEW A570 CD DRIVE



ARRIVING SOON

The new A570 CD drive is at last on its way and will be in Calculus stores April/early May 1992. Pricing has now been agreed allowing you to upgrade your Amiga A500 for only £299.99.

Initial demand will outstrip supply, please call now for the number of your local store to reserve your A570. With the new A570 CD drive attached to your A500 Amiga* you will have essentially the same capabilities as Commodore's CDTV player. Like the CDTV your new system will allow you to play any CDTV title as well as CD+G, CD+Midi and standard audio CD's.

The A570 installs easily, no software installation is required, you can continue to use your Amiga keyboard, mouse and monitor for inputs and displays.

*Minimum configuration standard for A570 compatibility 2.04

AMIGA 500 PLUS CARTOON CLASSICS



Complete with the following:-

- Amiga 500+ computer with 1Mb RAM
- A520 TV Modulator
- 1352 2 Button Mouse
- Workbench 2 Disks and Manuals

LEMMINGS Are you as smart as Lemmings are stupid? Match your intelligence against their lack of it as you play the most original game of 1991.

THE SIMPSONS - BART vs THE SPACE MUTANTS Hello fellow humans! Bartholomew J Simpson here, with a very important secret: SPACE MUTANTS ARE INVADING SPRINGFIELD.

CAPTAIN PLANET AND THE PLANETEERS Captain Planet and the Planeteers has turned saving the Earth's environment into the ultimate adventure.

DPaint III The program that sets the standard for computer painting now with animation.



RRP - £399.99

CALCULUS PRICE

£349.99

PHONE 0543 251275... FOR YOUR LOCAL STORE... PHONE 0543 251275...

COMMODORE PC PLAYER

For the serious games player who also needs the latest in PC286 MS DOS processing power, Calculus launch the new Commodore PC Player, a saving of £62.00 and 12 months free on-site maintenance.

COMMODORE PC PLAYER



THE POWER

New slimline 286-16 Mhz
40 Mb I.D.E. fast access hard drive
1 Mb Ram expandable to 5 Mb
3.5 inch 1.44 Mb floppy drive
256K Video Ram (Expandable to 512K).
Latest MS Dos 5 Operating System. 1360 Mouse
14" VGA Colour Monitor

THE PLAYER

Adlit Sound Card and Stereo Speakers
Games: Pit Fighter, Super Space Invaders, Hard Drivin II, Mig 29, Trivial Pursuits, Escape from the Planet of the Robot Monsters, Castle Master, Wing Commander.
Business: Office Manager (Word Processor, Database and Spreadsheet)

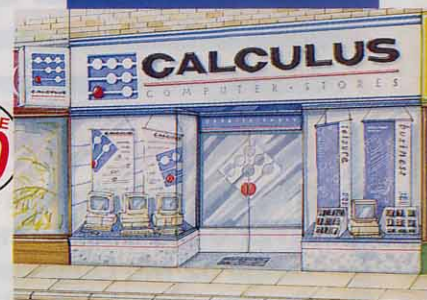
**JUST ARRIVED
IN THE U.K.
LATEST MODEL**

RRP - £822.49
**CALCULUS
PRICE**

£759.99 (£646.80 Ex VAT)

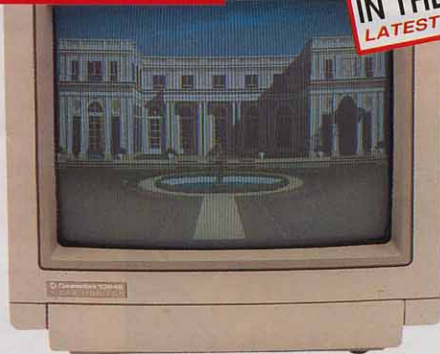
**SAVE
62**

COME &
SEE MORE
GREAT
DEALS ON
LEADING
BRANDS
AT YOUR
LOCAL
CALCULUS
STORE



AMIGA 1085s STEREO MONITOR

**JUST ARRIVED
IN THE U.K.
LATEST MODEL**



Direct from Commodore's warehouse, Calculus are the first in the U.K. to receive the new Commodore 1085s Stereo Monitor. Compatible with all Amiga products, the new 1085s is not only the latest Commodore monitor but also the best priced. With our buying power, we are able to offer the very latest Commodore monitor at only £219.99 featuring

- Stereo sound
- High Resolution Display
- Ergonomic design
- Composite Video
- Full Amiga Connectivity Pack
- Compatible with all Amiga products

RRP - £299.99
**CALCULUS
PRICE**

£219.99

COMMODORE MPS 1270



Is this the best value Ink Jet Printer on the market? We think so. Whisper quiet yet still achieves an amazing 160 CPS. This limited offer is definitely whilst stocks last.

RRP - £149.99
**CALCULUS
PRICE**

£129.99

**SAVE
20**

COMMODORE MPS 1230

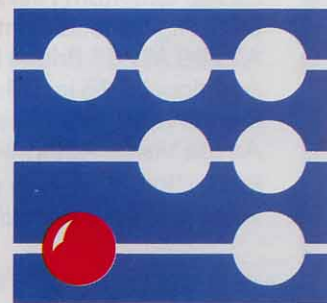


A high quality 9 pin Dot Matrix Printer with paper & tractor feed, is fully compatible with Epson FX80 and IBM Industry Standards. High speed 120 CPS draft mode and an NLQ mode of 25 CPS.

RRP - £169.99
**CALCULUS
PRICE**

£139.99

**SAVE
30**



CALCULUS

COMPUTER STORES

YOUR LOCAL STORE... PHONE 0543 251275... FOR YOUR LOCAL STORE... F

THE NEW AMIGA 1500

The Amiga 1500 system offers total compatibility with the Amiga 500, with an unbelievable level of internal expansion options.

All our Amiga 1500's featured, are the latest version, featuring Kickstart 2 ROM and Workbench 2, offering significant enhancements over the previous model.



AMIGA 1500 STARTER PACK



- **AMIGA 1500 'CALCULUS' STARTER PACK** Amiga 1500 Dual Drive, 1Mb RAM Mouse, Manuals and Amiga DOS.
- **THE WORKS - PLATINUM EDITION** A full integrated software package with Word Processor (inc. English Dictionary) Spreadsheet and Database Package.
- **DELUXE PAINT III** Probably the best paint package available, allowing you to display your hidden talents. This award winning software allows you to paint, design or animate.
- **HOME ACCOUNTS** Home accounts with budgeting, forecasting and graphics.
- **ELF** - You will encounter Cornelius the Elf on your travels in the mystical lands of Gooks and Goblins. Weird villainous creatures and devious puzzles test your gameplay techniques and gnostic powers.
- **TOKI** - The arcade sensation that swept the world. Toki has been transformed into a monkey by the evil wizard. He must now try to regain his manhood and rescue his beloved princess Miho. Join Toki on his mythical adventure, full of demons and deadly witchcraft.
- **PUZZNIC** - A puzzle game to top them all. It's fast, furious and devilishly addictive. With 144 levels, the action never stops.

RRP - £699.99

CALCULUS PRICE

£579.99 (£493.60 Ex VAT)

AMIGA 1500 HD

PROFESSIONAL PACK

Amiga 1500 Dual Drive with 52Mb Quantum Fast Access SCSI Hard Drive Upgrade and Controller Card.

Plus other contents as in the Amiga 1500 'Calculus' Starter Pack.

POWERED BY QUANTUM FAST ACCESS HARD DRIVE

RRP - £1027.00

CALCULUS PRICE

£829.99 (£706.37 Ex VAT)

BODEGA BAY A500/A500+

EXPANSION CONSOLE

The Bodega Bay fits into the expansion slot of your A500 and provides four A2000 style expansion slots. The Bodega Bay also has enough space for two half height 5.25 inch drives and one 3.5 inch drive all cooled by the fitted internal fan.



SAVE 50%

RRP - £299.99

CALCULUS PRICE

£249.99

AMIGA 1500 - THE WORKS

The complete Amiga system with full AT286 MS DOS compatibility. Top of the range 52 Mb Quantum hard drive and Free Commodore MPS 1230 Printer.

Amiga 1500 Starter Pack

PLUS:

52 Mb Quantum Fast Access Drive
SCSI High Speed Controller
A2286 AT286 Bridge Board (full MS DOS emulation)
Additional 5.25 inch 1.2 Mb floppy drive
Framework II Integrated MS DOS Business Software
Amiga Vision Authoring Software

FREE CBM 1230 high performance dot matrix printer worth £139.99 (Includes paper and tractor feed).

RRP - £1699.00

CALCULUS PRICE

£1299.99 (£1106.37 Ex VAT)

AMIGA 1500 STARTER PACK

& 1085 STEREO

MONITOR



Pack contents include the Amiga 1500 'Calculus' Starter Pack. Plus the new 1085s Stereo 14" Colour Amiga Monitor with Amiga Monitor Cables.

RRP - £999.99

CALCULUS PRICE

£799.99 (£680.85 Ex VAT)

SAVE £200

ON-SITE SERVICE

For total peace of mind - why not take out a 12 months on-site warranty on your new Amiga 1500/2000 system.

£54.99

PHONE 0543 251275... FOR YOUR LOCAL STORE... PHONE 0543 251275...

THE NEW AMIGA 2000

The Amiga 2000 has been designed as a basic system expandable to satisfy the needs of the home, business or professional user.



AMIGA 2000 AT MS-DOS EMULATION

FEATURES

- Amiga 2000 Dual Drive with the A2286 AT286 Bridge Board and 1.2Mb 5.25" MS-DOS Floppy Drive
- Complete with MS-DOS Operating System
- Features NEW Kickstart 2 and Workbench 2 operating system
- Optional Hard Drive available.

RRP - £1449.00

**CALCULUS
PRICE**

£899.99 (£766.00
Ex VAT)



AMIGA 2000 PVP VIDEO PRESENTATION

SYSTEM

FEATURES:

Amiga 2000 Dual Drive with 52Mb Quantum Fast Access SCSI Hard Drive SCSI High Speed Controller A2300 Internal Genlock Deluxe Paint III Scala Presentation Software Video Cables and Presentation Video

RRP - £1299.00

**CALCULUS
PRICE**

£1049.99 (£893.60
Ex VAT)



2000/1500

PERIPHERALS

A2286 AT Bridge Board
£299.99 (£255.31 ex VAT)

A2300 Internal Genlock
£89.99 (£76.59 ex VAT)

8Mb Microbotics RAM Board with 2MB Ram
£169.99 (£144.67 ex VAT)

2Mb Additional RAM for Microbotics RAM Board
£69.99 (£59.56 ex VAT)

25Mhz Microbotics VXL-30 030 Accelerator Board with 68881 FPU
£339.98 (£289.34 ex VAT)

40Mhz Microbotics VXL-30 030 Accelerator Board with 68881 FPU
£469.98 (£399.98 ex VAT)

Genius Amiga Trackerball
£39.99 (£34.03 ex VAT)

Scala Presentation Software with Free Video
£199.99 (169.36 Ex VAT)

Amiga Vision Authoring Software
£99.99 (£85.10 ex VAT)

Genius Happy Mouse
£14.99 (£12.76 ex VAT)

If you require an Amiga 2000 configuration not listed, please contact your Calculus dealer for an unbeatable price quotation.

**FREE AMIGA
VISION SOFTWARE
WITH ALL AMIGA
2000 SYSTEMS**

Amiga Vision Authoring System Amiga Vision lets you create multi media presentations and courseware which combines graphics, charts, motion video and sound. Normal Retail Price £99.99



AMIGA A2000 VIDEO STARTER PACK

Use the Amiga 2000 Genlock pack to create elaborate Home Videos, Business Presentations and simple animations using D Paint III

FEATURES

- Amiga 2000 Dual Drive
- 52 Mb Quantum fast access hard drive
- SCSI high speed Controller
- A2300 Internal Genlock
- Free Amiga Vision and D Paint III Software

**FREE
D PAINT III SOFTWARE
AMIGA VISION**

RRP - £1099.99

**CALCULUS
PRICE**

£929.99 (£791.48
Ex VAT)

AMIGA 2000 SYSTEM FEATURES

- Dual 3.5" 880K Floppy Drive
- 1Mb Chip RAM
- 1352 Amiga Mouse
- NEW WORKBENCH 2 discs and Manuals
- Power Cable
- Amiga Keyboard

VISIT
YOUR LOCAL
CALCULUS
STORE FOR
A FREE
DEMONSTRATION

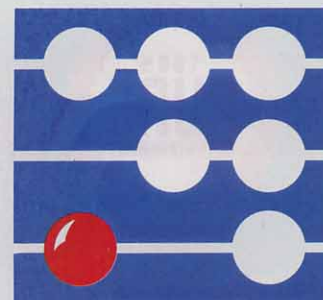
OVER ONE HUNDRED
STORES THROUGHOUT
THE U.K.
FOR MORE
INFORMATION AND
THE LOCATION
OF YOUR LOCAL
CALCULUS STORE

PHONE

**0543
251275**

COMPUTER DATABASE
OF CALCULUS STORES

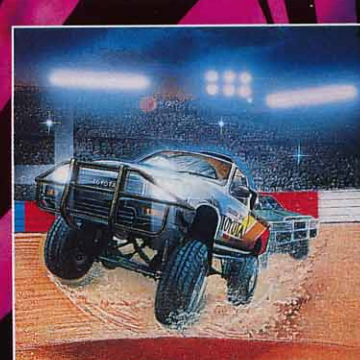
ITEMS HELD IN STOCK MAY
VARY FROM STORE TO STORE



CALCULUS

COMPUTER STORES

YOUR LOCAL STORE... PHONE **0543 251275**... FOR YOUR LOCAL STORE...



wellard'n? **wild!**

monty python
golden axe
italia '90
super off road



now unleashed by

TRON²X

all on
amiga (£9.99)
atari st (£9.99)
PC (£9.99)
commy cass (£3.99)
speccy cass (£3.99)
ammy cass (£3.99)

well?
how do
they do it?

THE LUCKY BEGGARS

Two helpings of nice tips this month, namely in the shape of *Battle Isle* strategy hints and some nice *Nightmare* maps. Raj Sobratee is the first lucky chap to win a voucher for the *Battle Isle* stuff, with the second going out to Alan Holwill for his *Nightmare* piccies. Well done, lads!

The two Helping Hand winners this month are Paul Berry in Essex and Erik Waitt from Barnet, who each get a smaller (but still very desirable) £25 voucher.

If you think that you've got a tip worth printing in the mag, why not jot it down and send it in to:

GAMEBUSTERS,
Amiga Format,
30 Monmouth Street,
Bath BA1 2BW.

As you can see from this issue, we're keen on high-quality *DPaint* maps sent in on disk. Try to make them as pretty as possible (don't just stick some lurid squares on the screen with some badly-typed text) so that they look good in the mag – you could win a prize!

FINAL FIGHT

There are quite a few gamers having difficulty getting through this beat-em-up arcade conversion. There are also a lot of people who have found this tip. So if you can't kick and punch your way through the opposition, then try this for size.



These brutes too tough? Use the cheat to show them who's boss!

When the message comes up that says "Not so fast Mike, turn on your TV," simply press the Help key. You can then continue your quest with infinite power. What's more, if you press the '+' key while you are playing, all the Mad Gear gang members will disappear from the screen.

THE GODFATHER

Another game that seems to have caught the attention of the Gamebusting public is *The Godfather*. Although we thought it a pretty mindless and average Op Wolf clone, a lot of people have got hold of the game and found this tip.



If you hang around looking at the scenery for too long you could very well end up riddled with bullets. Alternatively, you could try using the cheat to gain some breathing space.

Start the game as normal and while playing press Pause. Now all you have to do is type in Pizza Hut and restart the game. You will then be an invincible Mafioso.

Game Busters

Are you willing to do battle with the dreaded video foe? Have you the ability to wipe them away with a twitch of a joystick? No? Well you're in need of a little help then. Step forward **Maff Evans'** mighty legion of Gamebusters to light your way.

FORMULA ONE GRAND PRIX

This is one hell of a racing simulation. Not only did it win a Format Gold in Issue 30, but it has been acclaimed as the best Formula One racing game ever released on the Amiga. However, this doesn't stop you hating the game when you lose every race! Never mind, quite a few readers have found a way to end your grief. Read on...



If this is the only view you seem to get of the other cars, then this tip could be for you!

When taking part in a non-championship race, drive around until you are on the last lap. When you next come to the pits, drive in and pull up to your pit crew. Wait there until the "Race Over" message appears, and no matter what position you were in, you will have won the race. That should save your ego a little!

PIT FIGHTER

Another one of those 'nice idea, shame about the game' arcade conversions that doesn't quite work. If you're having trouble bashing your opponents into submission, then try this little cheat for size.

Start the game as normal and while playing hold Shift and type in LOBSTERS. You can now use the following keys for special effects:

- 1-0 Jump to selected level.
- C Jump to Championship Level.
- L Jump to Elimination Match.

Simon Phillips,
Devizes, Wiltshire

Battle Isle



This futuristic strategy game was quite a hit with the **Amiga Format** reviewing team, managing to earn itself a Format Gold. However, some of you high-tech warlords may be having a bit of trouble. Would a players' guide be of any use? I thought it might...

LEVEL ACCESS

Here are some codes to allow you access to later levels. Included on the tables is further information to help you plan your strategy:

Units - the initial number of units under player one and two's control. Map means the total number on the map (in depots and factories for example).

Factories/Depots - the initial number of factories and depots at the start of the game. Map means the total number, including undiscovered ones.

Initial Score - the initial score of both players, based on the defensive values of the units owned.

ONE PLAYER GAME

Level Number	Name Code	Units One, Two, Map	Factories One, Two, Map	Depots One, Two, Map	Initial Score
16	CONRA	7, 5, 12	---	---	495
17	PHASE	7, 5, 12	---	---	485
18	EXOTY	7, 9, 16	---	---	675
19	MOUNT	7, 11, 24	---	0, 0, 2	880
20	FIGHT	14, 13, 39	---	0, 0, 2	1450
21	RUSTY	10, 13, 33	0, 0, 1	1, 0, 3	1250
22	FIFTH	23, 27, 50	---	2, 3, 5	1915
23	VESUV	13, 28, 47	1, 0, 1	0, 0, 2	1850
24	MAGIC	15, 30, 72	0, 0, 4	0, 0, 1	2595
25	SPACE	14, 27, 59	0, 0, 2	0, 0, 2	2265
26	VALEY	10, 20, 38	---	0, 1, 3	1440
27	TESTY	34, 23, 90	0, 0, 2	0, 0, 6	2975
28	TERRA	27, 48, 85	0, 0, 1	1, 2, 4	3365
29	SLAVE	39, 62, 117	0, 0, 1	0, 0, 2	5215
30	NEVER	19, 28, 69	0, 0, 2	0, 0, 2	2575
31	RIVER	67, 53, 130	0, 0, 1	0, 2, 4	5475

TWO PLAYER GAME

Level Number	Name Code	Units One, Two, Map	Factories One, Two, Map	Depots One, Two, Map	Initial Score
00	FIRST	6, 6, 12	---	---	430
01	GHOST	7, 7, 14	---	---	480
02	GAMMA	16, 18, 34	---	---	1180
03	MARSS	15, 17, 35	0, 0, 2	1, 1, 2	1210
04	EAGLE	20, 21, 41	---	---	1345
05	METAN	5, 6, 33	0, 0, 2	0, 0, 2	1220
06	FOTON	22, 22, 70	0, 0, 2	0, 0, 2	2430
07	POLAR	3, 3, 23	0, 0, 4	---	770
08	TIGER	35, 32, 69	0, 0, 1	---	3195
09	SNAKE	19, 21, 53	0, 0, 1	0, 0, 2	2000
10	ZENIT	23, 23, 60	0, 0, 1	0, 0, 2	2015
11	DONNN	52, 49, 101	0, 0, 2	---	3770
12	VESTA	29, 30, 71	0, 0, 6	---	3505
13	OXXID	8, 8, 42	0, 0, 2	0, 0, 4	1350
14	DEMON	83, 83, 172	4, 4, 8	3, 3, 6	7230
15	GIANT	67, 64, 171	0, 0, 4	0, 0, 6	7005

SPECIAL LEVELS

Level Number	Name Code	Units One, Two, Map	Factories One, Two, Map	Depots One, Two, Map	Initial Score
32	EUROP	21, 23, 69	---	0, 0, 6	2605
33	STORM	109, 91, 200	---	2, 1, 3	7775

General Strategy Tips

At the start of the game always check any depots and factories in your possession for units, as well as checking your headquarters.

Look to see where the PROVIDER, GIANT or INVADER units closest to your DEMON infantry are, so that the foot soldiers can travel quickly in relative safety. Always transport the DEMON units in other vehicles so that a speedy withdrawal is possible.

When given a choice about which factory or depot to capture, pick the one with the most energy and useful units. Don't go for a depot that has BLITZ or SPHINX units when the enemy has no aircraft!

When building units, build equipment needed, then build as many SCORPION units as possible. You can surround the enemy with attacking forces.

If you are attacking a building that has DEMON units nearby, then attack with two DEMONS, avoiding his DEMON unit. Then send one of your own DEMON units into the building to capture it. The enemy will then recapture its building, at which point you should send your other DEMON unit into the building. When you look at the contents of your building you will see that the enemy DEMON is now on your side.

When fighting a submarine on later levels and you don't know where it is, switch to a nearby boat with a long range (such as the MARAUDER) and take it into move mode. You will then see two hexes that aren't surrounded by dashed lines. These spaces are taken up by the submarine.

When attacking with a unit that has a range of two or more, always try to use the weapon from more than one hex away, because the enemy then has no chance to fire back when they are attacked.

The best place to attack enemy units is when they are on open ground and your units are on high ground, as your units do more damage.

If you have any aircraft then you can use them to attack or block ground units. This is especially useful against DEMON, SCORPION, GLADIATOR, ANGEL, MERLIN, GIANT, AMAZON and BARRACUDA units as they have no defence against aircraft.

When defending against air raids, it is useful to

have a SPHINX unit ready. The enemy knows how good they are at stopping aircraft, so they are usually the primary target for the attack. A method to counter this is to place the SPHINX in a corner of a depot or headquarters and place BLITZ units in the surrounding hexes. The enemy will then never be in hex to hex contact with the SPHINX. A similar method can be used to protect the ANGEL heavy artillery from tank attack. The only difference is that you should replace the BLITZ units with SCORPION or GLADIATOR units.

It does not explain in the rule book to any great extent about using MERLIN units to make depots. This is done in the action/attack phase. Do the same as you would to attack if the MERLIN could and, if the geography of the land is suitable, a target hex will appear from the MERLIN. This will be the entrance to the depot when completed. It takes two turns to build the depot, although two MERLIN units can make a depot in one turn. If using one MERLIN you must remember to order it in the next action/attack phase to finish the depot as it does not automatically do so.

The experience system is of no great importance, especially in long, drawn out games, because an experienced unit will always destroy an identical "rookie" unit. The system is based as follows:

If in attack or defence a unit destroys one or more of the enemy in the opposing unit, then they will gain one experience point.

If a unit destroys the last enemy in a particular unit then they will receive an extra bonus of another point, making up a total of two points.

When fighting against units containing only one enemy (even when at full strength such as a BARRACUDA, PEGASUS, FORTRESS or AMAZON), an experience point is gained every time a shot hits it, even if that shot did not destroy it. Two points are gained for the unit that finally destroys it.

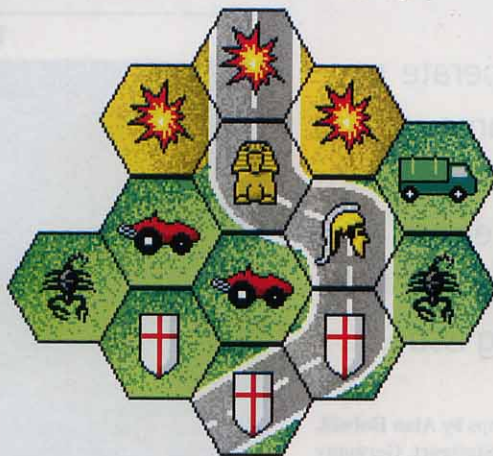
The best land attack formation is to have CRUSADER and GLADIATOR units in the middle of the front line. On the flanks it is useful to have SCORPION units placed, as their high speed makes them useful for surrounding the enemy. Behind the front line, have as many BUSTER units as possible so that they are two hexes from the enemy and the rocket attacks can be made in safety. Behind the BUSTER units (or along side them) have SPHINX, ANGEL and BLITZ units to protect the front line against air attack (the ANGEL units can also bombard the enemy from a distance). At the rear have DEMON units on-board PROVIDER units so that they can rush out and storm a building or retreat in the event of a collapsed line. PROVIDER units carrying DEMON troops should attack or allow to be attacked, since a troop PROVIDER loses all of its on-board troops when destroyed.

If you have a PEGASUS unit, try to launch the aircraft on-board as soon as a battle is likely, since all aircraft that are still on a destroyed carrier will be lost.

STRATEGY MAPS

These diagrams will give you basic ideas on troop and unit formations to deal with certain situations. Refer to the text for more in-depth strategy tips.

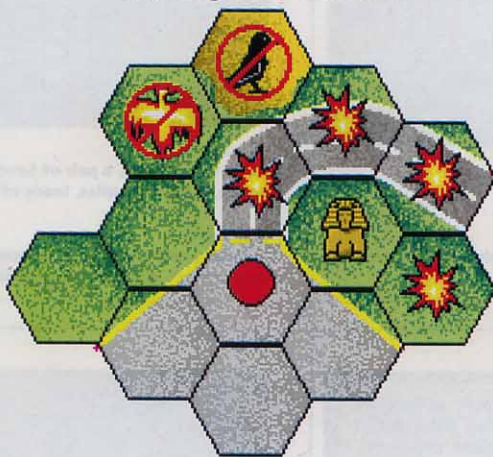
Main Battle Line Set-up



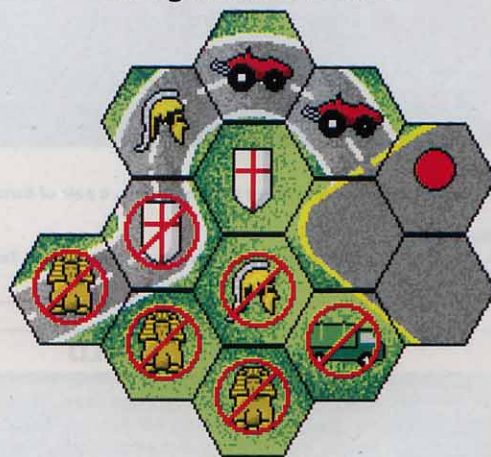
Bridge Tactics



Building Air Defence



Using the FAV Buster



KEY



Crusader

Blitz

Sphinx

Scorpion

Gladiator

Raven

Road

Plain/Woods



Firebird

Mosquito

Buster

Provider

Enemy Unit

Player Depot

Mountains

Water

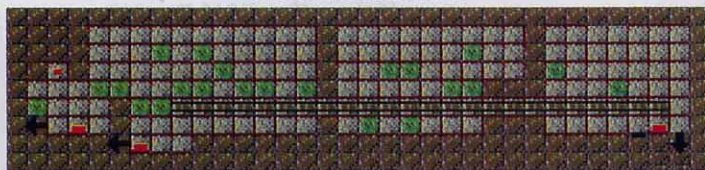
Knightmare

£50

There have been quite a few desperate people getting in touch about this game, saying that they're stuck or lost. Well these maps should make finding your way easier. The later quests are a bit trickier, so we'll be printing the solutions in a following issue.

Solution and maps by Alan Holwill,
Stuttgart, Germany

THE BEGINNING



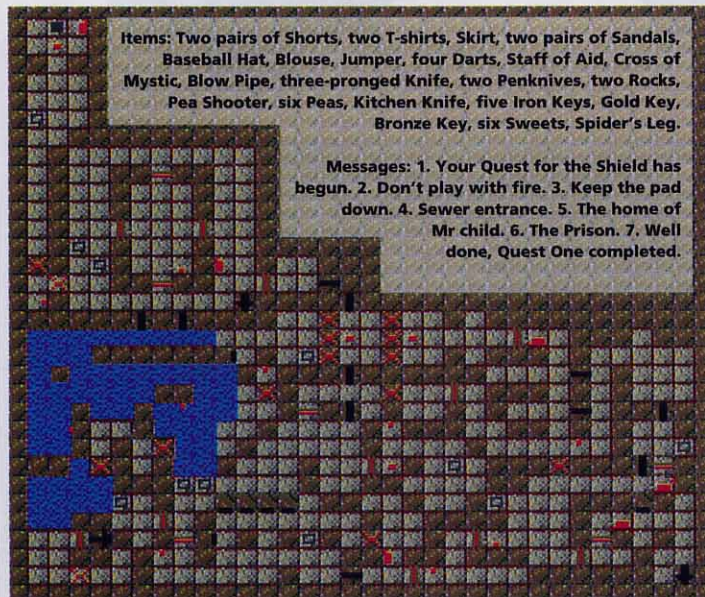
Items

Three Balls, two T-shirts, three pairs of Shorts, a pair of Sandles.

Messages

1. Return the Crown here. 2. Your Carriage awaits you. 3. Take this shortcut to the Forrest.

THE SHIELD



Items: Two pairs of Shorts, two T-shirts, Skirt, two pairs of Sandals, Baseball Hat, Blouse, Jumper, four Darts, Staff of Aid, Cross of Mystic, Blow Pipe, three-pronged Knife, two Penknives, two Rocks, Pea Shooter, six Peas, Kitchen Knife, five Iron Keys, Gold Key, Bronze Key, six Sweets, Spider's Leg.

Messages: 1. Your Quest for the Shield has begun. 2. Don't play with fire. 3. Keep the pad down. 4. Sewer entrance. 5. The home of Mr child. 6. The Prison. 7. Well done, Quest One completed.

THE FORREST



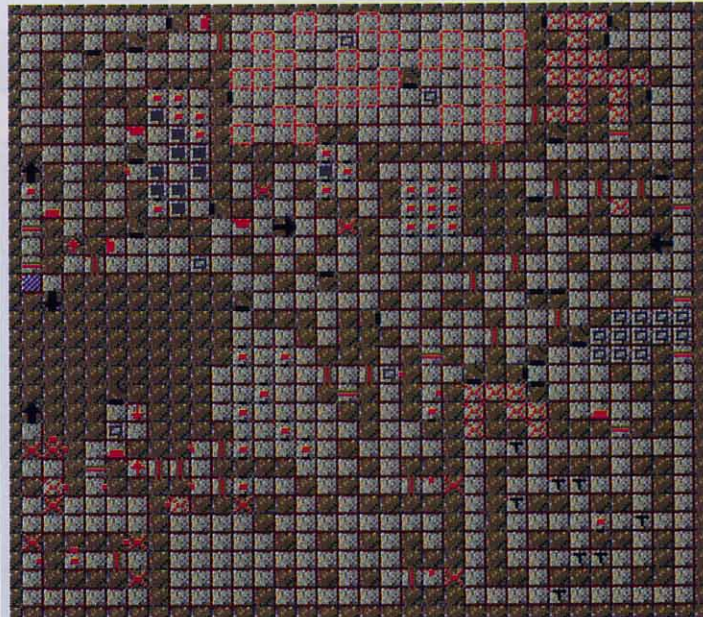
Items

Twig, five Sweets, a pair of Sandals, T-shirt, Penknife, Iron Key, a pair of Shorts, Spade, loads of Apples, loads of Rabbits.

Messages

1. Your Quest starts here. 2. Quest One "The Shield of Justice". 3. Quest Two "The Cup of Life". 4. Quest Three "The Sword of Freedom". 5. Quest Four "The Crown".

THE CUP



Items

Two pairs of Slacks, two pairs of Trainers, a pair of Shoes, Trilby, Baseball Hat, Jeans, Denim Jacket, Boots, Jumper, ten Arrows, Short Sword, Club, Kitchen Knife, Blowpipe, five Darts, Shield, five Throwing Stars, six Peas, Sheath, Bow, Cross of Aid, Chest, five Gold Keys, Gem Key, two Bronze Keys, Milk Bottle, six Apples, three biscuits, two Rock Cakes, two Spider's Legs.

Messages

1. The Mystic Chambers. 2. Mystic Door. 3. Nobody must enter. 4. Holy Moly. 5. Your eyes tell you lies. 6. Golem's Land. 7. Enter the Warp Maze. 8. The Cup Guardians.

KEY

GRILL	FLOOR BUTTON	PORTAL
MESSAGE	RAILWAY	PUSHABLE BLOCK
STAIRS UP	TRANSPORTER	WALL BUTTON/KEYHOLE
STAIRS DOWN	BUSH	DOOR
ALCOVE	SLIT	REMOVABLE BLOCK
SWAMP	WATER	ILLUSIONARY WALL
	INVISIBLE WALL	PIT



choose a
FREE
budget software
title to the
value of **£10**



when you buy
one of our

100

recommended
Atari ST,
PC or
Amiga
games



from your VIRGIN

GAMES CENTRE

BRISTOL, BROMLEY, CROYDON, DUBLIN, GUILDFORD, HULL, ILFORD, KINGSTON,
LIVERPOOL, LONDON, OXFORD, SHEFFIELD, SOUTHAMPTON, STOCKPORT.

AND IN THE VIRGIN MEGASTORES AT:

Aberdeen, Belfast, Birmingham, Brighton, Cardiff, Dublin, Edinburgh, Glasgow (argyle st
& union st), Leeds, London (oxford st & marble arch), Newcastle, Nottingham.

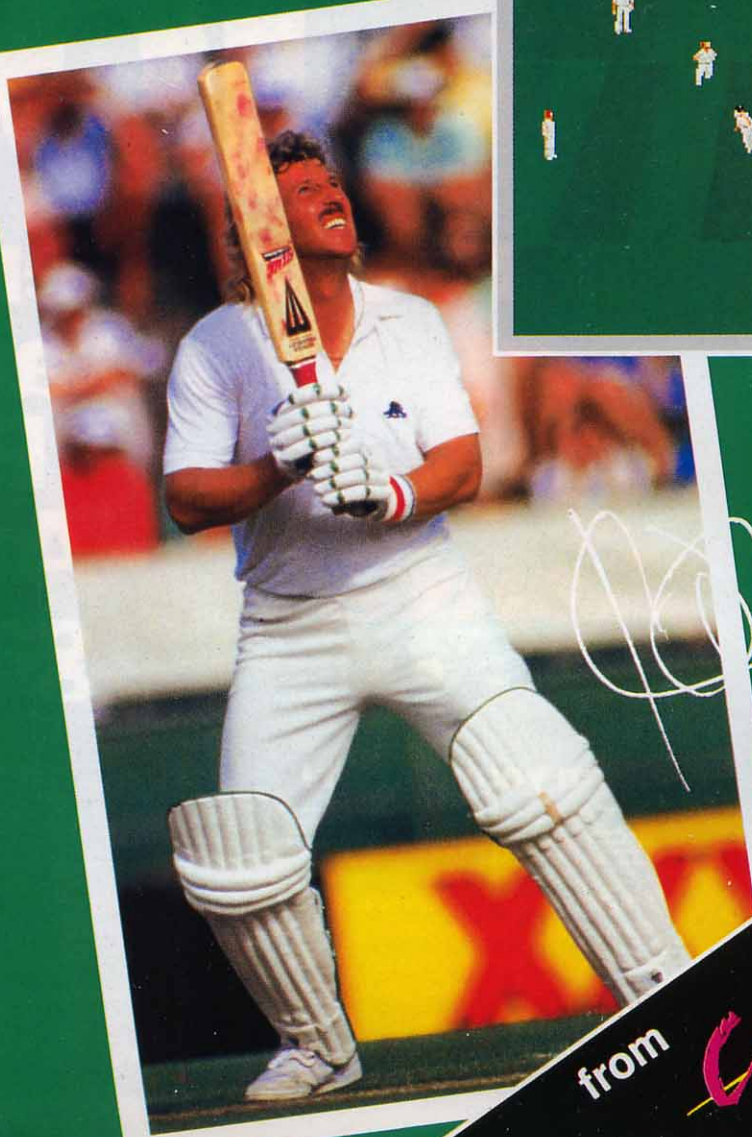
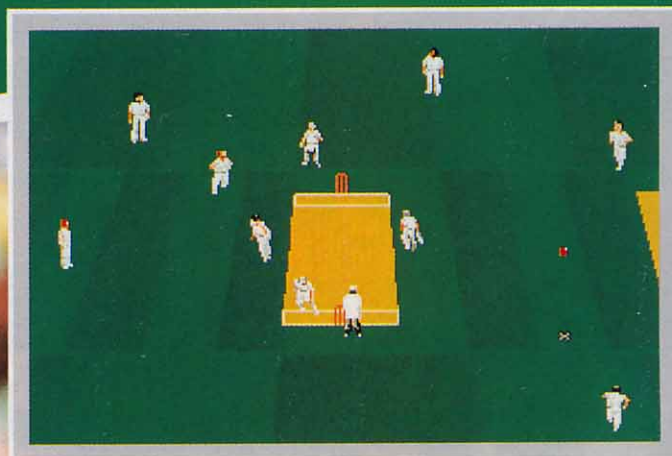
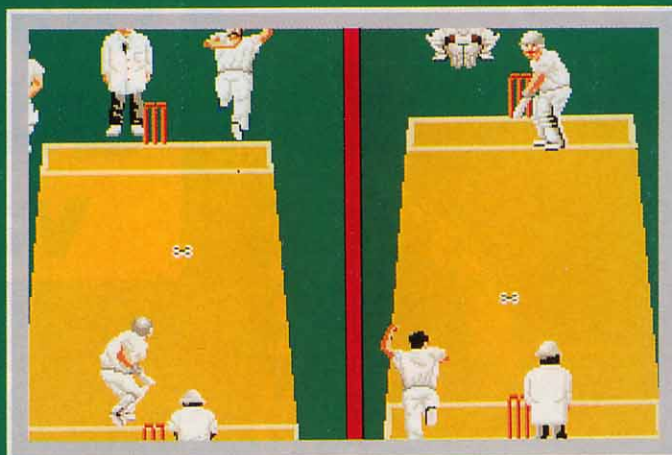
VALID FROM 6 APRIL 1992 UNTIL 26 APRIL 1992

Ian Botham's CRICKET

AVAILABLE
FOR
ATARI ST
AMIGA
& PC

Test your skills in this superb, action-packed cricket simulation designed by cricket enthusiasts, for cricket enthusiasts.

- Play a one-day Test Match.
Choose the length of game.
- Two player mode or challenge the computer.
- Television camera views with action replay.
- Superb graphics and sound.
- Contend with the effects of wind direction and temperature.
- Features all the current international teams
No two matches ever the same!



from

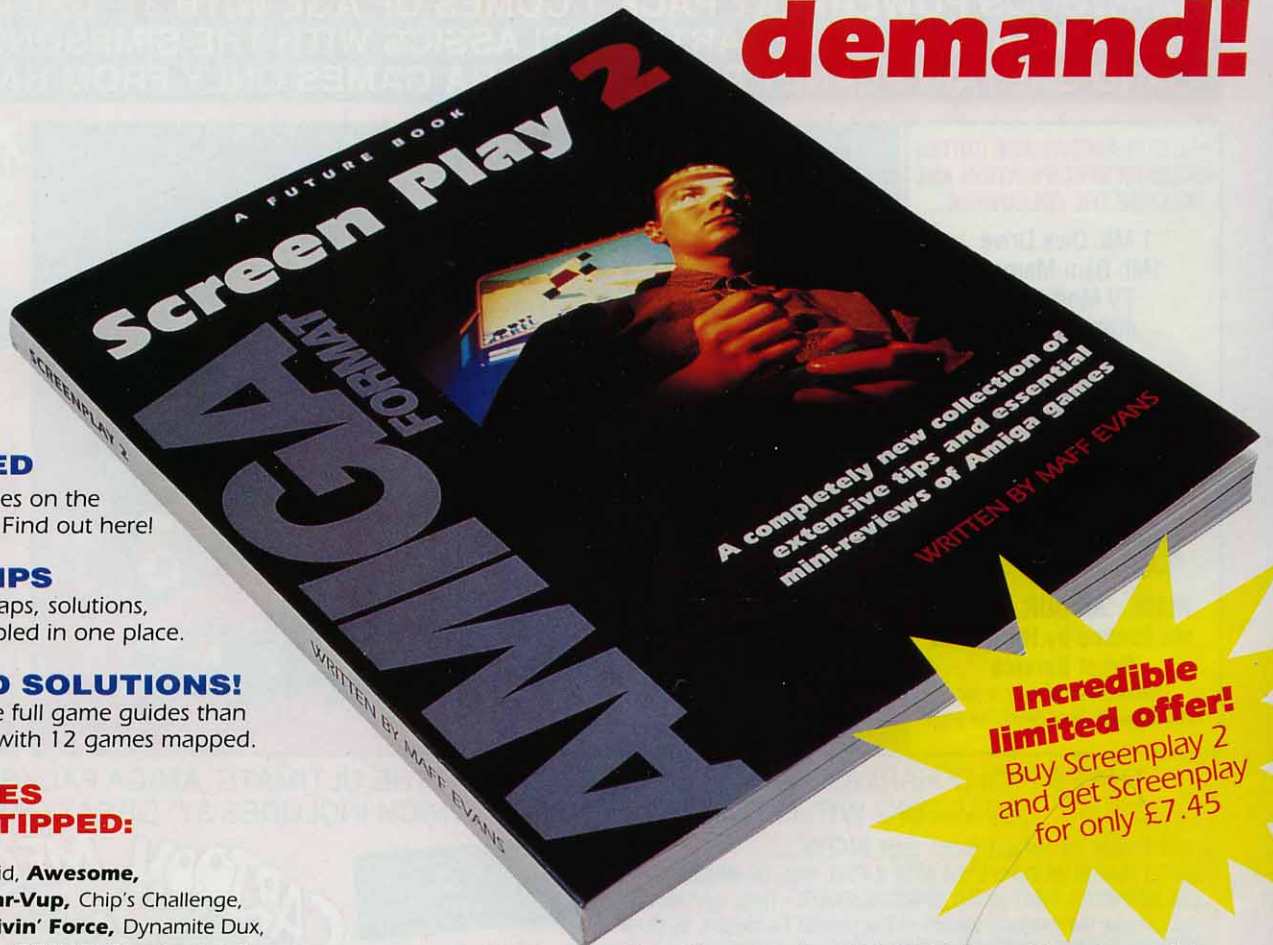
Celebrity
SOFTWARE

Celebrity Software International Ltd
Lonsdale House, Woodland Park
Colwyn Bay, LL29 7HA
Tel: 0492 531830
Fax: 0492 533612



GET TO GRIPS WITH GAMES!

The ultimate games guide is back by popular demand!



OVER 100 GAMES REVIEWED

Want to know the top games on the Amiga, both new and old? Find out here!

180 PAGES OF TIPS

The biggest collection of maps, solutions, cheats and tips ever assembled in one place.

MORE MAPS AND SOLUTIONS!

Screen Play 2 features more full game guides than any book ever has before, with 12 games mapped.

ALL THESE GAMES REVIEWED AND TIPPED:

Archipelagos, Atomic Robokid, **Awesome**, Back to the Future II and III, **Car-Vup**, Chip's Challenge, **Chuck Rock**, Crackdown, **Drivin' Force**, Dynamite Dux, **E-Motion**, Empire Strikes Back, **ESWAT**, Ghostbusters 2, **Ghosts 'n' Goblins**, Gremlins 2, **Hammerfist**, Horror Zombies, **The Immortal**, Ivanhoe, **Kid Gloves**, Killing Game Show, **LED Storm**, Line of Fire, **Llmatron**, Lotus Esprit Turbo Challenge, **Manic Miner**, Midnight Resistance, **Monty Python's Flying Circus**, Narc, **Ninja Spirit**, Nitro, **Operation Thunderbolt**, Predator 2, **Robocop 2**, Saint Dragon, **SCI**, Shadow Warriors, **Skidz**, Spherical, **Spy Who Loved Me**, SWIV, **Teenage Mutant Hero Turtles**, Toki, **Turrican**, Turrican 2, **Virus**, Viz, **Z-Out**.

PLUS FULL SOLUTIONS FOR:

Cruise for a Corpse, Dragons Lair II, **Fantasy World Dizzy**, Indiana Jones III, **Leisure Suit Larry**, Maniac Mansion, **Rick Dangerous 2**, Rise of the Dragon, **Search for the King**, Secret of Monkey Island, **Time Machine**, Treasure Island Dizzy, **Wonderland**

AND ALSO EXTENSIVE PLAYERS' GUIDES FOR:

Armour-Geddon, **Battle Command**, Captive, **Carrier Command**, Deuterios, **Dragons Breath**, Eye of the Beholder, **Full Contact**, Gods, **Hero Quest**, Indianapolis 500, **James Pond**, Lemmings, **Mean Streets**, Pang, **Prince of Persia**, Speedball 2, **Spindizzy Worlds**, Supercars 2, **Warhead**

Incredible limited offer!
Buy Screenplay 2 and get Screenplay 1 for only £7.45

Costing only £9.95 The ultimate guide to Amiga games has been succeeded by an heir. **Maff Evans** has spent months putting together a brand new collection of top tips, helpful hints and informative reviews.

ORDER FORM

I would like to order ____ copy/copies of SCREENPLAY 2

at the price of **£9.95 (+1.45 per copy P&P)**

I would like to order ____ copy/copies of or SPECIAL LIMITED PERIOD OFFER

both SCREENPLAY1 and SCREENPLAY 2

at the price of **£17.40 (+1.45 per copy P&P)**

Please send payment with this order form in a sealed envelope to:

AMIGA FORMAT SCREENPLAY 2 Book

FREEPOST

Future Publishing Ltd

Somerton, Somerset TA11 7BR

No stamp required if posted in the U.K.

Please allow 28 days for delivery.

Name _____

Address _____

Post Code _____

Telephone _____

I enclose cheque/PO for £ _____

Please debit my Access/Visa card: (delete as appropriate)

My card no. is _____

Expiry date _____

Signature _____

OR Phone our credit card hotline 0458 74011

CARTOON CLASSICS MEGA 31* AMIGA A500 PLUS

New GORDON 31* MEGA GAME 1Mb

HARWOODS POWERPLAY PACK 1 COMES OF AGE WITH 31* GREAT GAMES & A 1Mb AMIGA A500 PLUS CARTOON CLASSICS WITH THE SIMPSONS, LEMMINGS AND CAPTAIN PLANET PLUS 28* EXTRA GAMES ONLY FROM HARWOODS!!!

ALL OUR AMIGAS ARE UNITED KINGDOM SPECIFICATION AND INCLUDE THE FOLLOWING...

- 1 Mb. Disk Drive
- 1Mb Ram Memory
- TV Modulator
- 4096 Colours
- Multi Tasking
- Speech Synthesis
- 4 Channel Digital Stereo Sound
- Amiga Mouse
- Operation Manuals
- Workbench 2 Disks
- ALL Connecting Cables

PLUS...All OUR Amigas are backed by Harwoods Great Service

(Please see full details in our Ordering Made Easy' panel final page)



THAT'S RIGHT HARWOODS HAVE PUT TOGETHER THE ULTIMATE AMIGA PACKS YET AGAIN... STARTING WITH POWERPLAY PACK 1 WHICH INCLUDES 31* GREAT GAMES!

Just look at what you get NOW...

- **AMIGA A500 PLUS COMPUTER WITH A FULL 1Mb. OF MEMORY!**
- **THE SIMPSONS, BART vs THE SPACE MUTANTS** - That's right man! you can play the computer version of this popular TV cartoon. By Ocean.
- **CAPTAIN PLANET** - created from the award winning TV show, now's your chance to save the earth's environment with this ultimate adventure... your Eco-Copter is waiting. By Mindscape.
- **LEMMINGS** - Are you as smart as Lemmings are stupid, match your intelligence against their lack of it as you play the 140 levels of the most original game of '91 (European Computer Leisure Awards Winner). By Psygnosis.
- **EDUCATIONAL BASIC LANGUAGE FOR CREATING YOUR OWN PROGRAMS**
- **DELUXE PAINT III GRAPHICS PACKAGE WITH ANIMATION**
- **TAILORED DUST COVER AND MOUSE MAT**
- **AND A SUPERB HIGH QUALITY MICROSWITCHED JOYSTICK.**
- **PLUS.... 18 MORE GREAT GAMES, THERE'S SOMETHING FOR EVERYONE...**
- BLOODWYCH** - Fantasy role-playing game, great interaction with your computer created environment
- BUBBLE+** - Help the dawdling ghost and the soap bubble, escape from the old deserted manor house
- CAPTAIN BLOOD** - Astonishing creatures and animated 3D graphics, this is a game you just have to play
- ELIMINATOR** - A progressive multi stage flying shoot 'em up, on a long winding course, survive if you can!
- HOSTAGES** - You must get your team and hostages out of the terrorist overrun embassy, without loss of life
- JUMPING JACKSON** - In a deluge of colour and sound save the earth from sadness and melancholy music
- KRYPTON EGG** - A classic Breakout game, 60 screens, separated by 6 combat sequences
- LANCASTER** - Your mission is to fly the classic WWII bomber on its dangerous raids over enemy territory
- LOMBARD RAC RALLY** - You drive your 300 bhp Sierra Cosworth through demanding stages of the rally
- PURPLE SATURN DAY** - Four arcade games, an exciting high speed trip into total cosmic 3D space
- SAFARI GUNS** - Live the African experience in an animal sanctuary, track the poachers & ivory traffickers
- STIR CRAZY** (Featuring Bobo) - Bobo & his inmates are planning a stunning trampoline jump prison escape
- SKYCHASE** - Airborne combat for every simulation fan. In this one or two player game, battle against your MIG flying adversary in your F-16 Falcon.
- SKYFOX II** - Skyfox II, the only ship fast enough to carry on the Skyfox legend. Fight to blow your federation enemies from the Galaxy, at speeds of 9000 kilometres/second!
- STRIKE FORCE HARRIER** - Puts you in the cockpit of one of Britains most exiting fighter aircraft. Multiple skill levels let you progress to become an ace pilot
- TINTIN ON THE MOON** - We've been captured by Colonel Jorgen and he's tring to scupper the moon mission. Come on Tintin, you're the only one who can save us, and be the first on the moon
- TV SPORTS FOOTBALL** - Strap on your helmet for American football simulation that looks like the real thing.
- XENON 2 MEGABLAST** - This time it's war! The Xenites are back and have thrown time itself into turmoil.

We reserve the right to substitute individual software titles or pack items should the need arise.

Our packs always contain Professional Games NOT PD or multi-game disk titles

CARTOON CLASSICS MEGA 31*

BUY YOUR AMIGA WITH 2Mb FOR ONLY £40 EXTRA!!!
(ie. 1Mb RAM Expansion)

See Page 4 overleaf for details

*** OUR POWERPLAY PACK 1 PREVIOUSLY CONTAINED 21 GREAT GAMES BUT, NOW WE'RE INCLUDING THESE 10 FANTASTIC BONUS GAMES... ...BUT ONLY WHILST STOCKS LAST!**

- DATASTORM** - The fastest shoot 'em up of all time! Defender with a vengeance!!!
- DUNGEON QUEST** - Ultimate in multisensory gaming! The BEST graphic mysteries!
- E-MOTION** - 50 levels of multi-coloured puzzles. A challenging emotional experience.
- GRAND MONSTER SLAM** - Elves, Trolls, Goblins, Orcs, Dragons & Knights do battle!
- RVF HONDA** - Formula 1 motorbike racing at 170mph on a Honda RC30 racing bike!
- DRIVIN' FORCE** - For driving maniacs! 12 competitions day or night with 6 vehicles!
- PIPEMANIA** - Classic puzzle arcade game. So addictive you won't want to put it down!
- ROCK 'N' ROLL** - Crazy action game accompanied by fantastic Rock 'n Roll sounds!
- SKWEEK** - Paint the town PINK, kill Schnoreuls and dominate 99 levels of Skweezland
- TOWER OF BABEL** - Intricate 3D strategy game. Fantastic lighting & shading effects!

...AND HARWOODS ALSO GIVE YOU A SUPERB BROCHURE OFFERING UP TO 16 NIGHTS FREE HOTEL ACCOMMODATION IN AN EXTENSIVE SELECTION OF 400 HOTELS AROUND THE UK PLUS NOW A SPECIAL BUDGET FRANCE SUPPLEMENT IS INCLUDED TOO!

Priced at an INCREDIBLE

£399.95
Including VAT



Helping Hand

If even the might of the Gamebusters pages can't help you out of the pits of despair that a game is throwing you into, don't get too worried. Here is the latest instalment of the Helping Hand to rescue the lost and battle weary.

Best foot forward

Please, please, please could someone give me a cheat for *First Samurai* or *Strider* if possible? Thanks.

Alex Macleod

Don't be too premature with your thanks! I may not be able to help you out! To tell the truth, We don't have a cheat for First Samurai, but Strider is another matter. Start the game as normal, then pause the action. Now hold down the Shift key and press 1 on the keyboard. You will now be invincible and have the ability to skip levels. Press F1 to F5 to jump to levels one to five, and press number keys 1 to 5 on the keyboard (not the keypad) to jump to various sections within a level.

By the way, if anyone does know of a cheat mode for First Samurai, please send it in so that we can help out poor Alex.

Somewhere over the bluebird

I have recently received the game *Rainbow Islands* and I have been playing it constantly. However, I can't get past the first island (although I can get to the guardian). I can get all seven diamonds, but I don't get a big diamond and I still can't get past the guardian. Please, please can you help me?

Lesley Finlayson,
Portland, Dorset

Ah a tricky little test of skill is Rainbow Islands (he says, putting on his GamesMaster head). It seems you are missing the point of the seven gems just a tad. It's not enough just to get all the colours, you have to get them in the right order (red, orange, yellow and so on). Here is an explanation of how they work:

The screen is split into seven vertical bands (which are invisible). What you have to do is kill the monsters so that the gem lands on the right section of the screen (furthest left is red and furthest right is violet, with the bands in-between corresponding to the other colours in turn). If you collect a red gem, then orange, then yellow and so on, you will find that on the guardian screen, a secret door will have appeared. All you have to do to finish the level now is leap into the door. Hope that makes things easier!

Back to Springfield

£25

Could you please give me a helping hand on level one of *Back to the Future II* or on level four of *Bart Simpson*. I

cannot get past the bit where you have to jump on the platforms that light up.

David Wildman,
Gloucester

Well David, you're in luck. I have at hand the answers to just these questions!

First, Back to the Future II. Start the game as normal then hit the pause button. Now type THE ONLY NEAT THING TO DO (including spaces) and you can restart the game with infinite lives. Also, pressing Shift and Z will allow you to skip levels.

Now to your second problem, which is also good news for young Erik Waitt from Barnet, since this tip earns him a Helping Hand voucher! To get past the red platforms, just follow this advice:

When you are on the first red tile, jump until it starts flashing quickly, then jump on the next red tile that appears. Now jump diagonally to the right, where you should land on an invisible platform (in other words you'll be standing in mid air). Jump up again and walk across the invisible platform (as weird as it sounds). When you get to the orange section, do a long jump to get past a hole, then you can carry on walking. Hope that gets you past the danger zone.

Tin Machines

Please can you help me on *Metal Mutant*, because I want to have infinite power. When I asked Amiga Power for help they never said anything in the magazine or printed a letter, so please can you help me?

Lawrence Eldridge,
London

Oh dear. Not a lot we can do about Amiga Power. Nothing to do with us, honest! Er... we were on holiday! Um... it was them, not us!

A lot of people have been writing in asking for help on Metal Mutants, but nobody around here seems to have the answer. So, dear reader, it's over to you once more! Can you supply Lawrence with the help he needs? If so, send it into Helping Hand at the address at the bottom of the page.

Major disaster (no that's not right. Er...)

My dad recently bought an A500 Plus, but he lets me play games on it (although my dad is more interested in

the programming side). Have you got any cheats for Captain Planet? I can complete levels one to four but I want to beat level five and become Captain Planet.

Andy Rowlatt,
Wantage, Oxfordshire

Another chance for a reader to come to the rescue. This time the hint comes from Paul Berry in Essex.

What you have to do is complete the fire level and get killed on the water level. Enter your name in the score table as BBBB and you should be able to start with infinite continues (well it does on our version). Hope that works on the version you've got!

Fur across the ocean

Please could you give me a cheat for *Navy Seals*, because I can't get past the second level.

Robert Thomas
Rotherham, South Yorkshire

Well, if it's a cheat you want, then it's a cheat you shall have! Play the game as normal until you get a good enough score to place your name on the high-score table. Instead of being big-headed and typing your name in, enter the name PSBOYS. Now go back and start the game again. When you want to skip a level, press H to pause the action, then hit Escape. You should then find yourself on the next level. It's as simple as that! Any time you want to skip a stage, just hit H then Escape.

Spook!

I recently purchased *Ghouls 'N' Ghosts*, but I can't get anywhere. Can anyone suggest a cheat? I am also stuck on *Supercars*. Please could you help.

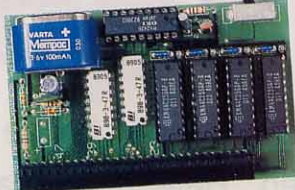
Henry Wenham,
Crewe, Cheshire

Extremely simple! For Ghouls 'N' Ghosts, just type KARENBROADHURST on the title screen to remove the collision detection. As for Supercars, enter ODIE to skip the first level, BIGC to jump to the third and RICH for pots of cash. That enough for you? Good!

That's about all we've got time for this month. If you want more extensive tips, then I'm afraid you'll have to get hold of the Screenplay books, check out the order form over the page.

If you're stuck on a particular game or have a solution to a letter printed in the magazine, then write it down and send it in to us at **HELPING HAND**
Amiga Format, 30 Monmouth Street, Bath BA1 2BW

LOWEST PRICES GUARANTEED!



CORTEX 1/2 Mb RAM EXPANSION for the Amiga A500

Essential A500 upgrade - 1Mb Amiga is now standard • Functional equivalent to A501 • Lower power 1Mbit DRAM • Latest technology high-quality components • 'Fatter Agnus' compatible for 1Mb CHIP MEM • Low profile enable/disable switch • Available with or without battery-backed clock/ calendar module.

CLOCK £24.95

£19.95



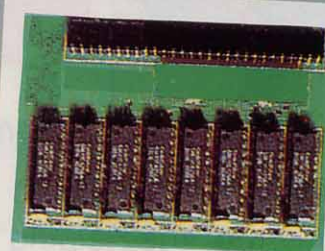
CORTEX 8Mb RAM EXPANSION for the Amiga A500/A1000/A500 plus

The **ONLY** RAM upgrade approved by Commodore UK • Fully compatible with A500 plus for 10Mb maximum RAM • External fitting (Warranty remains intact) • Through port (covered by blanking plate) • Fully implemented auto-configure • Zero wait states • Compatible with A590 and all major hard disks • Uses 1M x 8bit or 1M x 9bit SIMMs • Complete with its own power supply unit (UK, US, or EURO) • Fully A1000 compatible • RAM test software.

2Mb
£189.00

4Mb
£249.00

8Mb
£369.00

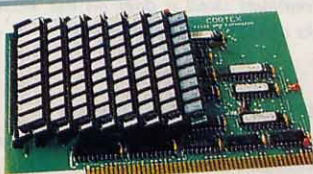


CORTEX 1 Mb MODULE FOR A500 plus

Gives 2Mb CHIP MEM • Functional equivalent to A501 plus • Ultra low power design • Low component count for maximum reliability • Available populated to 1/2 MB or 1MB.

1/2 Mb
£29.95

1 Mb
£44.95



8Mb RAM EXPANSION for the Amiga A1500/A2000

Fully implemented auto-configure • Zero wait states • Uses 1M x 9bit SIMMs 2,4, or 8Mb configurations.

2Mb £169.00

4 Mb £245.00 **8 Mb £369.00**

GVP IMPACT SERIES 2 HARD DISK WITH RAM (A500HD8+)

52Mb Hard disk system with up to 8Mb of RAM • Factory-fitted Quantum Pro-drive, 11ms access • Uses 1M x 8bit SIMMs (see RAM CHIPS section for prices) • Game switch (hard drive disable) and power supply.

52Mb
£379.00

105Mb
£569.00

Other GVP products available: call for prices



EXTERNAL FLOPPY-DRIVE

High-quality silent mechanism • Through-port • Enable/disable switch.

£49.00



XETEC HARD DISKS

Systems available for all Amigas INCLUDING A1000 call for prices

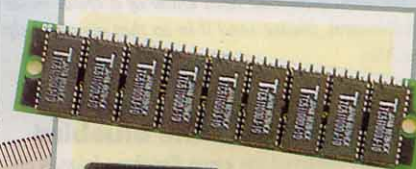
PRICE PROMISE

Cortex will match any genuine price offered by one of our U.K. competitors on goods that are in stock on a like-for-like basis. This offer applies at the time of purchase only and does not apply to prices offered in sales of bankrupt stock, clearance or closing down sales.

2 YEAR GUARANTEE

All product bearing the Cortex brand name carries a 2-year guarantee. Other products in this advertisement carry a 1 year guarantee.

All prices include VAT and postage & packaging. All products shipped same day where possible. Allow 14 days for delivery if ordering by cheque. Make cheques/ P.O.'s payable to CORTEX...



ENHANCED CHIP SET (E.C.S.) UPGRADES

8372A Fatter Agnus **£45.00**

8373 Super Denise **£45.00**

MegaChip 2000 with Super Agnus (allows 2Mb to be fitted to A500/1500/2000)

See 'KICKSTART ROMS' for ROM upgrade. **£199.00**

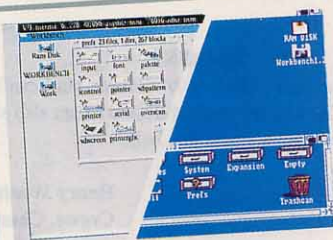
RAM CHIPS

1M x 8bit SIMMs (for Cortex, GVP etc. 2Mb). **£65.00**

256K x 4bit DIPs (for A590, 2091 ICD etc) each **£4.00**

1M x 1bit DIPs (for older A2000 cards) each **£4.00**

1M x 4bit Static-Column Mode ZIPs (for A3000) 4Mb **£199.00**



ROM SHARERS

Essential upgrade for all A500 Plus owners. Enables safe and easy switching between 1.3 & 2.04 Kickstart ROMS • Keyboard controlled switching • Has 3 ROM sockets to allow for future expansion.

£29.95

As above but with 3-position slide switch **£19.95**

KICKSTART ROMS

V1.3 ROM **£29.00**

V2.04 KICKSTART ROM **£39.00**



DEPT AF, CORTEX DESIGN & TECHNOLOGY LTD, BRITANNIA BUILDINGS,
46 FENWICK STREET, LIVERPOOL L2 7NB. • 24 HOUR SALES
TELEPHONE: 051-236 0480 24 HOUR FAX: 051-227 2482

HARWOOD POWERPLAY PACKS

HARWOOD'S BRILLIANT 1Mb AMIGA 500 PLUS 'MEGA 31'*

GAMES PACK 2
That's right you get
the fantastic Amiga &
ALL THE EXTRAS
detailed in Harwoods
'Mega 31' Pack 1
AND you also get...

**THE PHILIPS
CM8833/II
STEREO COLOUR
MONITOR**



Our monitor section on page 6
gives full details for your choice
of Philips Monitors & Monitor TVs

MEGA 31*

MONITOR PACK

2

PACK TWO

OR...YOU CAN CHOOSE
A PHILIPS MONITOR TV
AT NO EXTRA COST!
See page 6 for FULL
details of this remarkable
Fast Text Monitor TV

**A SPECIAL PACK FROM HARWOOD'S
YOU SEE AND HEAR THOSE GAMES
WITH SUPERB CLARITY**

£629.95 Including VAT

**BUY AN AMIGA
WITH 2Mb FOR ONLY
£40 EXTRA!!!**
(ie. 1Mb RAM Expansion
Included)

HARWOOD'S GREAT 1Mb AMIGA 500 PLUS 'MEGA 31' PACK 3

That's right you get the fantastic
Amiga & **ALL THE EXTRAS**
detailed in Harwoods 'Mega 31'
Games Pack 1 (far left) AND...
then you also get...

**THE SUPERB PHILIPS CM8833/II
STEREO COLOUR MONITOR**

Our monitor section
on page 6 gives
full details for your
choice of Philips
Monitors & Monitor TVs



Plus...
**THE SUPER STAR
LC 200 COLOUR
PRINTER...**

Featuring...
185/40 cps, Full Colour 9 Pin NLQ Dot Matrix Printer
with a FREE Dust Cover and cable to your Amiga.
(See printer panel for details)

IF YOU WISH, REPLACE THE
LC200 WITH A CITIZEN SWIFT 9
COLOUR AT NO EXTRA COST!!!
OR... IF YOU PREFER A 24PIN
COLOUR PRINTER, JUST CHOOSE
FROM OUR RANGE & ADD THE
DIFFERENCE IN PRICE BETWEEN
STARS LC200 & YOUR CHOICE.
(eg. Citizen 224, add just £50)

MEGA 31*

**MONITOR AND
PRINTER PACK**

3

PACK THREE

OR...YOU CAN CHOOSE
A PHILIPS MONITOR TV
AT NO EXTRA COST!
See page 6 for FULL
details of this remarkable
Fast Text Monitor TV

£829.95 Including VAT

"IT'S THE- BUSINESS"

A TRULY PROFESSIONAL
PACKAGE SPECIFICALLY
FOR THE BUSINESS
MINDED AMIGA USER.
THIS ONE SHOULD
FULFILL EVERY AREA
OF HOME BUSINESS
YOU'RE LIKELY TO NEED!

**THE BUSINESS PACK
FROM HARWOODS
INCLUDES ALL THE
FOLLOWING...**

**AMIGA 500 PLUS
WITH 1Mb. MEMORY**

**PHILIPS CM 8833/II
STEREO COLOUR MONITOR**

See Monitor Panel on Page 6 for Details

**STAR LC200 9 PIN NLQ
FULL COLOUR PRINTER**

See Printer Panel on Page 5 for Details

A HOST OF BUSINESS SOFTWARE & ACCESSORIES...

PEN PAL V1.3 (Word Processor)...1Mb.

SUPERBASE II PERSONAL (Database)

SUPERPLAN (Spreadsheet)...1Mb.

**A GREAT TEN
GAMES PACKAGE**

- Plus...**
- ★ THE SIMPSONS
 - ★ CAPTAIN PLANET
 - ★ LEMMINGS
 - ★ DELUXE PAINT III
- Now with ANIMATION
- ★ MICROSWITCHED JOYSTICK
 - ★ 10 BLANK 3.5" DISKS
 - ★ DISK LIBRARY CASE
 - ★ MOUSE MAT
 - ★ 3 TAILORED DUST COVERS

**CARTON
CLASICS**

**POWERPRO
PROFESSIONAL
PROFESSIONAL
PACK**

OR...YOU CAN CHOOSE
A PHILIPS MONITOR TV
AT NO EXTRA COST!
See page 6 for FULL
details of this remarkable
Fast Text Monitor TV

**BUY AN AMIGA
WITH 2Mb FOR ONLY
£40 EXTRA!!!**
(ie. 1Mb RAM Expansion
Included)

IF YOU WISH, REPLACE THE
LC200 WITH A CITIZEN SWIFT 9
COLOUR AT NO EXTRA COST!!!
OR... IF YOU PREFER A 24PIN
COLOUR PRINTER, JUST CHOOSE
FROM OUR RANGE & ADD THE
DIFFERENCE IN PRICE BETWEEN
STARS LC200 & YOUR CHOICE.
(eg. Citizen 224, add just £50)

Datascram, Drivin' Force, Pipe Mania,
Dungeon Quest, Rock-N-Roll, E-Motion,
Tower of Babel, Skweek, RVF Honda,
and Grand Monster Slam.

**ADD A CUMANA CAX 354 SECOND DRIVE
FOR JUST £50 TO HELP RUN THOSE
BUSINESS PACKS MORE EFFICIENTLY**

**WE MEAN BUSINESS AT A GREAT
PACKAGE PRICE OF JUST...**

£899.95 Including VAT

HARWOODS LEARN & PLAY

PRIMARY & JUNIOR PACK A

Get your children off to the right
computing start with this software
learn and play pack...

PROF. PLAYS A NEW GAME
PROF. LOOKS AT WORDS
PROF. MAKES SENTENCES
PROF. HUNTS FOR WORDS

Active, enquiring young minds love seeing the
cartoon character called Prof. entertain and teach.
Children take charge of Prof. on the computer,
active learning. Follows National Curriculum(N.C.).

HOMEBASE
Ideal home storage system. Keep household lists,
student records etc. Easy to use 'push button' controls.

PRIMARY MATHS COURSE
Around 24 modules in this course from 3 yrs old
right up to secondary level. Follows N.C.

READING & WRITING COURSE
24 module course. Teaching from the computer
and books. For early starters & the dyslexic.

**A GREAT EDUCATIONAL PACK
FOR YOUR CHILDREN AT A
FRACTION OF THE NORMAL COST**

EDUCATION

LESSON A

PACK A

£89.95 Including VAT

HARWOODS LEARN & PLAY

GCSE/O' LEVEL PACK B

GCSE examination level studies on your
Amiga computer that's fun!

**MICRO ENGLISH, MICRO FRENCH AND
MICRO MATHS**

A set of three complete self-tuition courses to GCSE level
which can also be used for revision work. All programs
adhere to the National Curriculum and were designed
and tested in schools by professional teachers.

Micro French includes 'real speech' to help your accent!

PEN PAL - Graphical Word Processor
A fantastic word processor with all the tools you'll need
to create effective written work. Ideal for home work,
projects etc. or for the families letters. Text wraps
automatically around graphics, even as you type!
Includes a built-in database and Forms Manager.

HOMEBASE
Homebase is the ideal information storage program for
things like household lists, student notes, and children's
educational projects. Inc. clearly labelled 'push button'
controls and clear comprehensive reference manuals.

**A GREAT EDUCATIONAL PACK
FOR YOUR CHILDREN AT A
FRACTION OF THE NORMAL COST**

EDUCATION

LESSON B

PACK B

£89.95 Including VAT

All our packs contain the new
Amiga A500 Plus.
(1.3 Amigas may still be available
to special order, please enquire.)



Enquiries & Order Line:

0773 836781



Finance Facilities Available*
Please phone us for information and your personal application pack.



**GORDON
HARWOOD
HARWOOD
HARWOOD**

Computers
ALFRETON DERBYSHIRE

*The Closer you look,
The Better we look.*

SOUND AND VISION

Words and Pictures

CDTV



IMAGINE, IF YOU CAN, THE CONCEPT OF A NEW, MORE POWERFUL AMIGA...

...WITH 1 MEGABYTE OF MEMORY, AND A COMPACT DISK DRIVE OF ALMOST INFINITE SIZE. A DISK DRIVE SO VAST, IT CAN STORE HUNDREDS OF MILLIONS OF DIGITS OF DATA. THIS DATA COULD BE, SPEECH, ANIMATED PICTURES, DIGITISED STEREO SOUND, COMPUTER IMAGES OR WHOLE ENCYCLOPAEDIAS.... AND MORE.

IMAGINE THIS, AND YOU CAN START TO GRASP THE CONCEPT OF CDTV.

THE INTEGRAL COMPACT DISK DRIVE, IS THE KEY TO THE POWER OF CDTV. ITS STORAGE CAPACITY IS EQUIVALENT TO AROUND A QUARTER OF A MILLION FULL PAGES OF TEXT. THIS WHEN INTEGRATED WITH THE 1 MB OF INTERNAL AMIGA CIRCUITRY, CREATES A SYSTEM, WHICH FROM A CD DISK, CAN GIVE YOU ACCESS TO AN UNIMAGINABLE SPECTRUM OF REAL WORLD IMAGES, NEVER SEEN COMBINED BEFORE. THESE VIVID IMAGES, WITH WORDS AND SOUNDS, GIVE YOU A WHOLE NEW DIMENSION IN HOME EDUCATION, ENTERTAINMENT & INFORMATION TECHNOLOGY. AND... DON'T FORGET, THAT CDTV CAN PLAY IN SUPERB QUALITY, ANY NORMAL AUDIO MUSIC CD, AND IT CAN ALSO PLAY THE NEW CD+G DISKS, WHICH GIVE DIGITAL SOUND AND ON SCREEN GRAPHICS.

ON CD DISKS NOW AVAILABLE, THERE ARE EDUCATIONAL PACKAGES, ENCYCLOPAEDIAS PACKED WITH REFERENCE INFORMATION, STUNNING GAMES, MUSIC SYSTEMS AND MANY OTHER NEW AND VARIED SUBJECTS, INCLUDING WHOLE WORLD ATLASES OR EVEN THE COMPLETE WORKS OF SHAKESPEARE, EACH ON ONE CD DISK!!! CDTV - NOTHING LESS THAN REVOLUTIONARY

FREE CDTV STARTER PACK!!!

WHEN YOU CHOOSE YOUR CDTV FROM GORDON HARWOOD, NOT ONLY DO YOU GET OUR LEGENDARY SERVICE, BUT WE GIVE YOU A CDTV STARTER PACK, TO GET YOU EXPLORING YOUR NEW WORLD - STRAIGHTAWAY.

THIS INCLUDES A SUPERB SELECTION OF CD DISK TITLES INCLUDING THE WELCOME TUTORIAL & HUTCHINSONS ENCYCLOPAEDIA, PLUS ... FOUR GAMES, SHERLOCK HOLMES & THE HOUND OF THE BASKERVILLES, SIM CITY, CHAOS IN ANDROMEDA, AND THE ACCLAIMED LEMMINGS, WORTH IN TOTAL ALMOST £170.00. IN ADDITION IS THE INFRARED REMOTE CONTROLLER, AND ALL THE HARDWARE NEEDED TO GET YOU CONNECTED.

ALL THIS FOR JUST £499.95

CDTV IS THE SAME SIZE AND STYLE AS MOST VIDEO RECORDERS, SO IT CAN SIT UNOBTUSIVELY ABOVE OR BELOW YOUR HOME TV AND/OR HI-FI. AND WITH ITS INFRARED REMOTE CONTROLLER, IT CAN BE OPERATED FROM YOUR ARMCHAIR. BUT PERHAPS MOST IMPORTANTLY, IF YOU ARE A COMPUTER ENTHUSIAST, REMEMBER THAT INSIDE EVERY CDTV, IS AN AMIGA, JUST WAITING TO BE USED. SO LATER ON, YOU'LL BE ABLE TO BUY THE OPTIONAL KEYBOARD AND DISK DRIVE, TO GET INTO THE WORLD OF AMIGA COMPUTING. PRINTERS, DIGITISERS, GENLOCKS AND OTHER ACCESSORIES, CAN ALL BE CONNECTED TO GIVE ACCESS TO MANY OTHER EXCITING FACILITIES, AND ALSO MANY OF THE EXISTING SOFTWARE PACKAGES AVAILABLE FOR THE AMIGA COMPUTER. NEVER BEFORE HAS THERE BEEN SO MUCH POTENTIAL FROM ONE NEW STUNNING SYSTEM, PACKED WITH

TODAYS TECHNOLOGY!

CALL IN AND SEE US FOR YOUR PERSONAL DEMONSTRATION, OR PHONE US FOR YOUR FREE DETAILED CDTV INFORMATION PACK.

CDTV ACCESSORIES Please call for latest availability.

CD 1220 KEYBOARD
CD 1252 MOUSE
CD 1200 TRACKBALL

AN 89 KEY QWERTY KEYBOARD £49.95
INFRARED MOUSE WITH BATTERY SAVER. £49.95
INFRARED TRACKBALL, WITH THE OPTION OF DIRECT CONNECTION TO EXTEND BATTERY LIFE. £79.95
DUPLICATES FUNCTIONS OF 2 BUTTON MOUSE & INCLUDES TWO 9 PIN PORTS FOR STD. JOYSTICKS FOR HOLDING CD WITHIN DRIVE £9.95

CD 1400 CADDY
CD 1401 MEMORY CARD

PERSONAL RAM CARD CONTAINING 64K OF MEMORY FOR STORING DATA OR AS A BOOKMARK FACILITY WITHIN CDTV £249.95

CD 1405 MEMORY CARD

A LARGER PERSONAL RAM CARD CONTAINING 512K OF MEMORY FOR STORING DATA OR AS A BOOKMARK FACILITY WITHIN CDTV £249.95

CD 1800 FLOPPY DRIVE

RACK MOUNTABLE FLOPPY DRIVE WITH 880K CAPACITY. CASING ALLOWS ROOM FOR ADDITIONAL HARD DRIVES OR MODEMS ETC. £99.95

CD 1301 GENLOCK

PAL BASED VIDEO INTERFACE CARD FOR SUPERIMPOSING CDTV IMAGES OVER A VIDEO SIGNAL PROVIDED BY ANY STANDARD VIDEO SOURCE CDTV COMPATIBLE AND STYLED IN MATCHING BLACK. (Same spec as CAX 354 on page 4 of this advertisement)

CUMANA 3.5" DRIVE

Many Amiga Accessories & Peripherals (e.g. Printers, Disk Drives, Software etc.) are compatible with CDTV. Please phone us for compatibility information.

HARWOODS AMIGA PRO-GEN

NEW LOWER PRICE



PROFESSIONAL QUALITY GENLOCK FOR COMPUTER AND VIDEO MIXING, AT A DOWN TO EARTH PRICE!!!

Please note the above photograph shows Spectracolor which has now been replaced by Photon Paint 2.0

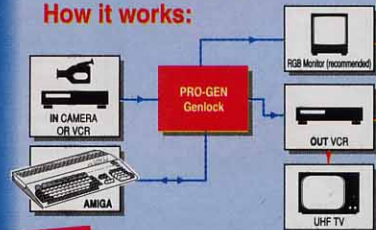
PRO-GEN Amiga Genlock

The Pro-gen AMIGA Genlock allows you to mix your Amiga display with any PAL video signal whether it is from a VCR, Laserdisk player or a Camcorder. In fact any item of video equipment which outputs a PAL composite video signal. Combined with the Amiga computer the Pro-Gen gives you the facilities of a special effects & video titling suite. Take your own films & give them a professional look by OVERLAYING TITLES or by SUPER IMPOSING YOUR OWN GRAPHICS created in packages like Photon Paint 2.0 or Deluxe Paint. Pro-Gen is supplied with micro illusions superb Photon Paint 2.0 package.

FREE

A powerful Lo-and-Hi resolution hold and modify (HAM) paint program, with overscan (NTSC/PAL) and special effects for your Amiga Computer including all the following...
Contour Mapping: drapes a brush over a 3D "landscape". Pixel intensity values decide the peaks and valleys, while a specially developed ray-tracing algorithm maps the image precisely.
Surface Mapping: around 3D objects, both geometric and free hand drawn.
Luminance: sets the light source and intensity. **Shadowing:** automatically with control of size and offset. **Brush Control:** twist, tilt, resize, flip, rotate, bend, adjustable transparency, stretch etc etc. PLUS LOTS MORE! A great program allowing use of 4096 colours. Choice of horiz/vert page print, negatives, anti-aliasing, dithered print, adjustable brightness etc.

How it works:



STOP PRESS

PRO-GEN... NOW INCLUDES A VERY VERSATILE MULTI COMPONENT VIDEO TO GENLOCK CONNECTING CABLE KIT. THIS ALLOWS PRO-GEN TO BE USED STRAIGHTAWAY WITH MOST POPULAR VIDEO EQUIPMENT, WITHOUT THE NEED TO HUNT DOWN THE CORRECT CONNECTING CABLES. THIS KIT CAN ALSO BE USED TO CONNECT IN OTHER WAYS... eg. VCR to VCR etc. A KIT TO START YOU OFF RIGHT FROM THE MOMENT YOU OPEN THE BOX!!!

NEW LOWER PRICE

PRO-GEN with Photon Paint 2.0 **ONLY £99.95**

Mode Switch-box for Genlocks

Features Include
-Compatible With The Pro-Gen And Rendale 8802
-Supplied With Genlock Extender Cable Worth £9.95
-Switch-box Switches Between Foreground, Background, Video And Computer Modes.

£29.95

AMIGA DRIVES & MEMORY

Cumana CAX354 3.5" External 2nd Disk Drive.

- ★ Features Include
- ★ Long connecting cable
- ★ 1Mb, (880K Formatted) Capacity
- ★ Enable/Disable Switch,
- ★ Throughport
- ★ Access Light
- ★ Compatible with Amiga 500/1000/1500/2000/3000 and CDTV

£57.95



NOW SUPPLIED
WITH A
FREE
3.5" DISK HEAD
CLEANER
for optimum reliability

**BLACK CDTV
COMPATIBLE VERSION
AVAILABLE NOW!!!**

NEW! GVP 52-105Mb HARD DISK DRIVE WITH MEMORY EXPANSIONS OF UP TO 8Mb.

- ★ Capacities of 52 or 105Mb available
- ★ Connects to sidecar bus on L/H side of A500/A500 Plus
- ★ Autoboots with Kickstart 1.3/2.0, boot enable/disable switch
- ★ Sockets for up to 8 Mb of RAM expansion
- ★ SCSI Port allows up to 7 other devices to be connected
- ★ Supplied with easy to use software
- ★ 2 Year Warranty Complete with dedicated PSU
- ★ Mini slot for future expansion capabilities
- ★ PC-AT Emulator planned to be available for 1992

GVP PRICES	RAM SIZE	CAPACITY	
		52Mb.	105Mb.
	0Mb.	£359.95	£549.95
	2Mb.	£429.95	£629.95
	4Mb.	£509.95	£749.95
	8Mb.	£699.95	£929.95

Call for...
**UPGRADE
PRICES!**

EDUCATION SOFTWARE DON'T JUST PLAY GAMES WHEN YOU CAN LEARN WITH YOUR AMIGA TOO!

- MICRO MATHS** - 24 easy to use programs for GCSE ('O' Level) revision or self tuition **£21.95**
- MEGA MATHS** - A 9 level step by step tuition course. For mature beginners, 'A' Level studies & Micro Maths users **£21.95**
- MICRO FRENCH** - GCSE French tuition or revision course. Covers both spoken & written French **£21.95**
- MICRO ENGLISH** - A complete programme of self-tuition up to GCSE standard **£21.95**
- PRIMARY MATHS COURSE** - Ages 3 to 12, Complete 24 Programme Course. **£21.95**
- SPELL BOOK** - Ages 4 to 6, Developed with the help of a Primary School Head Teacher to aid spelling skills. **£17.95**
- PROF: Hunts for Words** - With clues for Prof. and his young audience, children can hunt for words and complete a story. **£24.95**
- PROF: Looks at Words** - You direct Prof. around the screen searching for letters to complete the words. 17 levels of play. **£24.95**
- PROF: Makes Sentences** - Children help Prof. make up sentences by unjumbling sequences of words - great animation. **£24.95**
- PROF: Plays a New Game** - Comes with a story disk, audio tape, and an illustrated reading book. **£24.95**

HARWOODS AMIGA 1Mb PRO-RAM PLUS

**ADD MORE POWER TO YOUR AMIGA 500 PLUS
WITH A FULL 1Mb. MEMORY UPGRADE!!!**

- ★ 1Mb. RAM expansion for the Amiga 500 Plus
- ★ Gives a total of 2Mb. of RAM
- ★ Easily fitted without any dismantling in the trapdoor expansion slot underneath Amiga. DOESN'T invalidate your warranty!
- ★ Low power consumption 2 Yr Guarantee!

A GREAT NEW OFFER FROM HARWOODS

Only... **£44.95**

0.5 Mb PRO-RAM

- ★ Compatible with Amiga A500 and 500 Plus
- ★ Gives A500 a total of 1Mb Memory + Clock
- ★ Gives 500 Plus a total of 1.5Mb Memory

Only... **£29.95**

AMIGA SOFTWARE

Music-X: The ultimate software for professional MIDI sequencing. The software includes a configurable librarian and a synthesiser patch editor. All you need to recreate a song can be recalled from one performance file including sequences, MIDI routing, sync setup, keyboard maps & synthesiser or drum machine patch libraries. **NEW LOW PRICES - £54.95 or just £74.95 with midi-interface!**

MIDI INTERFACE (5 Port): In, Out, Through plus 2 switchable thru/out. Includes cable. **£24.95**

AMOS: AMOS allows you to access the power of the Amiga with ease. 500 different commands make AMOS a sophisticated development language. The AMOS animation language allows you to create complex animation sequences. 300 page manual and over 80 example programs **£49.95**

Amos Add on Modules: (BOTH require Amos prog.)
Amos Compiler **£89.95**

SuperBase 4: Most powerful database available for the Amiga. Combines the ease of use of SuperBase 2 with a versatile programming language so that you can tailor your data to your own specific needs for club/business/library records etc. **£229.95**

Lattice C: An ideal tool for the C programmer whether experienced or a novice. The best way to create applications for the Amiga. Fully supports Motorola chipset. Nearly 300 functions optimised to help the user write the tightest possible code. Includes screen editor. Most Amiga C books are based around lattice. (Requires either 2 floppy drives OR a hard disk drive) **£199.95**

Deluxe Paint IV: Latest version of the Amigas first, and still the best, paint and animation package, now including HAM mode. (1 Mb. minimum memory or more recommended) **£79.95**

Vidi, The Complete Colour Solution: Vidi with RGB Splitter, Frame Grabber & Digitiser. Grabs moving colour video into 16 grey scale frames (up to 16 frames in 1Mb. Amiga) and digitises from still colour video source in up to 4096 colours in less than 1 second! Requires home VCR or video camera for grabbing. Requires video camera or VCR with perfect pause for digitising. Now comes with Photon Paint 2.0 ABSOLUTELY FREE OF CHARGE!!! **£179.95**

MASTERSOUND: High quality "mono" sampler (best for sampling instruments etc.) **£36.95**

THE ABOVE IS JUST A SMALL SAMPLE FROM OUR EXTENSIVE RANGE OF THOUSANDS OF SERIOUS, EDUCATION AND RECREATION TITLES. WE CAN'T LIST THEM ALL HERE SO PLEASE CALL US IF YOU CAN'T SEE THE PROGRAM YOU REQUIRE, IT'S PROBABLY IN STOCK!

Pen Pal V.1.3

WORD PROCESSOR/DATABASE
With Pen Pal you can mix text, 4096 colour graphics & data in ways no other w/p can! "It's handling of graphics is unsurpassed: Pen Pal is the only word processor I tested that will automatically wrap text round graphics..."

Amiga World,
July '90

£79.95
PEN PAL complete
WITH 512K Amiga
RAM Expansion
only...£99.95!

All our packs contain the new
Amiga A500 Plus.
(1.3 Amigas may still be available
to special order, please enquire.)



Enquiries & Order Line:

0773 836781

Finance Facilities Available*
Please phone us for information and your personal application pack.

**GORDON
HARWOOD
HARWOOD
HARWOOD**
Computers

ALFRETON DERBYSHIRE

*The Closer you look,
The Better we look.*

FREE...
Fully Tailored
Dust Cover with all
Dot Matrix Printers

PRINTERS

**NEW FREE
ACCESSORIES**

All printers in our range include a standard Centronics/Parallel Port for direct connection to Amiga, PC's, Atari ST's, Archimedes etc.

We supply a connection cable to YOUR computer plus a Quality Dust Cover with ALL Dot Matrix Printers

FREE



When you are comparing our prices to others make sure that the same essential items are included eg. Printer Lead, Dust Cover, Postage and VAT etc.

GORDON HARWOOD PRINTER STARTER PACK

ALL our Dot Matrix Printers are supplied complete with...
200 Sheets of Continuous Printer Paper
100 Useful Self Adhesive Continuous Labels
Amiga Printer Drivers Disk

FREE

CITIZEN 120D+ 9 PIN MONO - Up to 120/25 cps

- Very reliable low cost printer with interchangeable interfaces for Centronics/RS232/serial type (C64 etc.)
- Full 2 Year manufacturers warranty

£149.95

NEW FASTER STAR LC20 9 PIN MONO - Up to 150/38 cps

Replacement for our most popular Mono Dot-Matrix at a super low price

£159.95

- Multiple font options easily accessible from front panel
- Excellent paper handling facilities
- Simultaneous, continuous and single sheet stationery
- 240 x 240 dpi Graphics

STAR LC200 9 PIN COLOUR PRINTER - 185/40 cps

This is the one in our packs!

- 80 Column Dot Matrix
- 240 dpi - 9 Pin COLOUR
- 16K Buffer, 8 Resident Fonts
- Push/pull tractor & rear/bottom feeds
- Reverse paper feeds
- Micro paper feed, Max. paper width 11.7"
- Supplied with colour & mono ribbons
- Paper park with auto single sheet loading
- Programmable from front panel.
- 12 month warranty

£209.95

CITIZEN SWIFT 9 PIN COLOUR - 160/40cps

New super high spec 9Pin colour printer

- 8K Buffer 4 Fonts
- Push and pull tractor built-in
- Feed for labels/multi part stationery
- 240 x 240 dpi Colour Graphics
- Best text quality in our 9Pin range
- 2 Year Citizen warranty

£219.95

STAR SJ48 INKJET PRINTER

New super high quality bubble ink jet printer

- 64 Nozzle ink jet
- Emulates Epson LQ and IBM
- Proprietary for full compatibility
- Complete with AC adaptor
- Large 28K Buffer
- 360 x 360 dpi near laser print quality
- Optional Ni-Cad battery for mains free operation

£249.95

STAR LC24/200 24 PIN MONO - 220/55 cps

Mono version of LC24/200 Colour, same spec except for a smaller 7K buffer

£249.95

STAR LC24/200 24 PIN COLOUR - 220/55 cps

Colour version of the LC24-200 Mono.

£299.95

- 80 Column Dot Matrix
- 360 dpi - 24 Pin MONO
- 30K Buffer (expandable)
- 10 Resident Fonts
- Front Panel Pitch Selection
- Push/pull tractor & rear/bottom feeds
- Reverse paper feed
- Paper park with auto single sheet loading
- Micro paper feed, Max. paper width 11.7"
- Supplied with mono ribbon
- Faster than the old LC24-10
- Extra font cartridges available
- Program from front panel, No DIP switches
- 12 month warranty

NEW 24 Pin CITIZEN 224 COLOUR - 160/53 cps

Brand New, lowest cost colour 24 Pin printer, anywhere!

- 80 Column Dot Matrix with 4 Fonts
- 360 dpi - 24 Pin COLOUR
- 8K Buffer expandable to 32K
- Easy to use front panel controls
- Push & pull tractor feeds
- Complete paper parking facilities.
- Supplied with mono & colour ribbons
- Full 2 Year Citizen Warranty

£259.95

NEW 24 Pin CITIZEN SWIFT 24E COLOUR - 180/60 cps

Brand New, superb specification colour 24 Pin printer.

- 80 Column Dot Matrix with 7 Fonts
- 360 dpi - 24 Pin COLOUR
- 8K Buffer expandable to 32K
- Easy to use LCD panel controls
- Push/pull & bottom tractor feeds
- Complete paper parking facilities.
- Supplied with mono & colour ribbons
- Full 2 Year Citizen Warranty

£319.95

NEW FASTER STAR XB 24 PIN COLOUR RANGE XB24-200 & XB24-250 - 275/80 cps

These NEW top of the range Stars replace the XB24/10 & XB24/15, & offer the best possible quality dot matrix printing

£399.95

£499.95

- Exceptional print quality
- 4 x 48Pin super letter quality fonts
- 14 x 24Pin near letter quality fonts
- Buffer: 29K(XB24/200) & 76K (XB 24/250)
- 360 x 360 dpi Colour Graphics
- 12mths on-site warranty (UK Mainland)

HEWLETT PACKARD PAINTJET COLOUR A4 INKJET

Our best quality full colour printer at a realistic price

£599.95

- Parallel/Centronics or Serial RS232 I/F (specify with order, MAC option available)
- For presentation graphics/DTP, CAD and technical/scientific applications
- A full page of colour graphics in 4 minutes (typical)
- Non impact printing, virtually silent, 43dba
- Will print transparencies
- 12 Months on-site warranty (UK Mainland)

STARSCRIPT - 4ppm POSTSCRIPT COMPATIBLE LASER

A4 Laser Printer, will connect to PC, Amiga, Atari ST, Macintosh etc.

£1099.95

- 300 DPI, 2Mb. Upgradable to 5Mb.
- Emulations inc: HP Series II, Epson EX800, IBM Proprinter & Diablo 630
- Complete with "Starscript" (Stars postscript language emulation)
- Serial and Parallel Interfaces
- 12month on site warranty (UK Mainland)
- 49 quality fonts built-in
- Appletalk for connection to Macintosh
- Every desktop publishers dream

SEE OUR LIST OF ACCESSORIES FOR BOTH STAR AND CITIZEN PRINTERS, ALL AT COMPETITIVE PRICES!

All the characters Per Second speeds quoted above are Draft/LQ at 10cpi

PRINTER ACCESSORIES

CITIZEN PRINTER ACCESSORIES:

Citizen 120D+ Sheet Feeder	£69.95
Citizen 120D+ Parallel Interface	£49.95
Citizen 120D+ CBM C64 Serial Interface	£49.95

Citizen 124D 32K Buffer	£13.95
Citizen 124D Semi-Auto SheetFeeder	£39.95
Citizen 124D Automatic Sheet Feeder	£79.95
Citizen 124D Printer Stand	£24.95

Citizen Swift 9 Semi-Auto SheetFeeder	£39.95
Citizen Swift 9 Automatic Sheet Feeder	£79.95
Citizen Swift 9 Printer Stand	£24.95

Citizen Swift 9X Printer Stand	£34.95
Citizen Swift 9X Automatic Sheet Feeder	£139.95

Citizen Swift 24 32K Printer Buffer	£13.95
Citizen Swift 24 Semi-Auto Sheet Feeder	£39.95
Citizen Swift 24 Automatic Sheet Feeder	£79.95
Citizen Swift 24 Printer Stand	£24.95

Citizen Swift 24X Auto Sheet Feeder	£139.95
Citizen Swift 24X Printer Stand	£34.95

HEWLETT PACKARD PAINTJET PRINTER ACCESSORIES:

Hewlett Packard PaintJet	
Black Ink cartridge	£25.95
Colour Ink Cartridge	£31.49
Single Sheet Printer Paper	£17.95
Z-Fold Printer Paper	£15.95
Transparency Paper:	
Pack of 50 Sheets	£52.95

STAR PRINTER ACCESSORIES:

Star LC-20 Mono Printer	
Automatic SheetFeeder	£74.95

Star LC24-10 Mono Printer	
32K Buffer	£67.95
Automatic SheetFeeder	£74.95

Star LC-200 Colour Printer	
Automatic SheetFeeder	£74.95

Star LC 24-200 Mono/Colour Printers	
32K Printer Buffer	£34.95
Automatic SheetFeeder	£74.95

Star SJ48 Printer	
Automatic Sheet Feeder	£54.95
Ni-Cad Battery	£39.95

Star XB 24-200 Colour Printer	
Pull Tractor	£34.95
Font Cartridges -	
Styles To Be Announced	£29.95
128K Centronics Printer Buffer	£89.95
Automatic SheetFeeder	£114.95
Dual Bin SheetFeeder	£429.95

Star XB 24-250 Colour Printer	
Pull Tractor	£34.95
Font Cartridges -	
Styles To Be Announced	£29.95
128K Centronics Printer Buffer	£89.95
Automatic SheetFeeder	£174.95
Dual Bin SheetFeeder	£469.95



GENUINE CITIZEN & STAR REPLACEMENT PRINTER RIBBONS

PRINTER	PRINTER TYPE	BLACK RIBBON	BLACK RIBBON 'SIX PACK'	COLOUR RIBBON	COLOUR RIBBON 'SIX PACK'
CITIZEN 120D+	BLACK ONLY	£4.95	£24.95	N/A	N/A
CITIZEN 124	BLACK ONLY	£4.95	£24.95	N/A	N/A
CITIZEN SWIFT 9	BLACK/COLOUR	£4.95	£24.95	£16.95	£99.95
SWIFT 24/24E/224	BLACK/COLOUR	£4.95	£24.95	£16.95	£99.95
STAR LC10/20	BLACK/COLOUR	£4.95	£24.95	£6.90	£36.50
STAR LC200	BLACK/COLOUR	£6.95 ZX9	£36.95 ZX9	£12.95 ZX9CL	£69.95 ZX9CL
STAR LC24/200	BLACK/COLOUR	£8.95 Z24	£49.95 Z24	£14.95 X24CL	£74.95 X24CL
STAR XB RANGE	BLACK/COLOUR	£8.95 Z24	£49.95 Z24	£14.95 X24CL	£74.95 X24CL
STAR SJ48 INK CARTRIDGE	BLACK ONLY	Also compatible with Apple Stylewriter and Cannon BJ10E Bubblejet			£14.95ea.

BOOK SHOP

FOR BEGINNERS & EXPERTS ALIKE



AMIGA FOR BEGINNERS - VOL. 1 ABACUS BOOKS,	£14.95
From unpacking your Amiga to creating your own icons, includes first use of basic and extras disk. NEW revised version covering workbench 1.3 and 2	
AMIGA BASIC INSIDE AND OUT - VOL 2 ABACUS BOOKS,	£18.95
Definitive step by step guide to programming Amiga's in basic.	
AMIGA MACHINE LANGUAGE - VOL 4 ABACUS BOOKS,	£14.95
Practical guide to learning 68000 assembler language.	
AMIGA DOS INSIDE AND OUT - VOL 8 ABACUS BOOKS,	£23.45
Guide to Amiga DOS & CLI. NEW Edition inc. WB 2.0. (Includes Free Help Disk)	
AMIGA HARDWARE REFERENCE MANUAL-Addison Wesley,	£21.95
Written by technical experts at Commodore Amiga Inc, USA... the people who designed your Amiga. Hardware level machine code programming at advanced level. New revision now also includes Kickstart 2.	
AMIGA, BEST OF TRICKS & TIPS Vol. 17,	£32.95
A complete set of tricks and tips that enable you to do MORE with your Amiga and as simply as possible. (Includes Free Disk)	
GETTING THE MOST FROM YOUR AMIGA,	£9.95
From Future Publishing, the producers of Amiga Format Magazine and fully updated for 1992 OR... available with 2 HELP DISKS INCLUDED	£13.95

WE ALWAYS CARRY LARGE STOCKS OF THE FULL RANGE OF ABACUS & OTHER BOOKS...Phone us for details!

NOW
INCLUDING
TEN FREE GAMES
PACK TOTALLY FREE!

MONITORS & MONITOR TV's

Harwoods stock a complete range of both Monitors & Monitor TV's to give you your perfect solution to the type of display to buy.



PHILIPS CM8833/II Stereo High Resolution Colour Monitor

The ever popular 14-inch Philips CM 8833 MkII. Its versatility means you not only get excellent colour graphics & text performance with a wide range of personal computers, but when connected to a VCR, you get an amazing 600 pixel TV picture. With the 8833 MkII, Harwoods give you the complete set up, to get you going straight away... Monitor, RGB picture and Stereo Audio Cables, Tailored dust cover, and a full 12 Months on site service warranty.

★RGB/AD, TTL, Composite. Video & stereo audio inputs Can be used as a TV with VCR or Tuner Also as a Video Camera display monitor Retractable stand
★Twin Stereo Speakers Headphone Jack Socket FREElead for your computer FREE 12 Month on site service warranty.

THE MOST VERSATILE STEREO COLOUR MONITOR AVAILABLE

£249.95

CBM 1084S STEREO COLOUR MONITOR.

Commodore's Own Stereo High Resolution Colour Monitor with...

★RGB/AD/TTL, Composite. Video/Audio Inputs Can be used as TV with VCR or tuner. Twin Speakers for stereo output Supplied with cables for A500, CGA PC, IC16-64-128.

£269.95

It's important to remember that most TV Monitors, are still first and foremost televisions, meaning that their average 400 pixel tube display 50% lower resolution than a monitor cannot be guaranteed to display 80 column text clearly without risking eye strain. If choosing a Television Monitor ensure it has the latest 2000 character tube capability, meaning it can handle the Amiga's 80 characters, by 25 line output clearly.

NEW!!! PHILIPS 15" FASTTEXT TELETXT REMOTE CONTROL 60 CHANNEL MONITOR TV. BRAND NEW SUPERB DEFINITION PHILIPS MONITOR TV. IDEAL FOR AMIGA OR CDTV USERS, GIVING FOR THE FIRST TIME TRUE MONITOR QUALITY FROM A FULL FEATURE TELETXT TV AT AN AFFORDABLE PRICE!!! JUST LOOK AT THE FEATURES... Direct Scart Connector for Amiga, CDTV, VCR OR SATELLITE RECEIVER RGB/AD, Composite Video & audio inputs FULL TELETXT FACILITIES (FOR THIS FACILITY EXTERNAL AERIAL SHOULD BE USED) Headphone Jack Socket FULL TWO YEAR GUARANTEE 2000 CHARACTER HIGH DEFINITION FST TUBE SUPPLIED WITH LOOP AERIAL REMOTE CONTROL FREE lead for YOUR computer (IF YOU WOULD LIKE THE MONITOR TV IN OUR PACKS 2, 3, AND POWERPRO, AT NO EXTRA COST, TO REPLACE THE 8833/II, SIMPLY ADVISE US AT THE TIME OF ORDERING)

ONLY...

£269.95

10 FREE GAMES WITH YOUR TV OR MONITOR WHEN PURCHASED SEPARATELY (ie. These games are already included within Harwoods Amiga Packs 2, 3, & Powerpro...see details on pages 1 & 2 of this advertisement!!!)

AMIGA ACCESSORIES

MIDI INTERFACE (5 Port): In, Out, Through plus 2 switchable thru/out. Includes cable. — £24.95

Vidi, The Complete Colour Solution: Vidi with RGB Splitter, Frame Grabber & Digitiser. Grabs — £149.95

moving colour video into 16 grey scale frames (up to 16 frames in 1Mb. Amiga) and digitises from still colour video source in up to 4096 colours in less than 1 second! Requires home VCR or video camera for grabbing. Requires video camera or VCR with perfect pause for digitising. Now comes with Photon Paint 2.0 FREE!!! (see Pro-Gen future for full software details)

KCS POWERBOARD IBM PC EMULATOR ★Allows you to run many popular IBM PC compatible software — £219.95

titles on your Amiga or Amiga A500 Plus Hercules, CGA & Monochrome Video Support, Supports Both 3.5 Inch & 5.25 Inch Diskettes

★Fits Into A501 RAM Slot, 8088 XT Processor, Clock/Calendar Included, Acts As 512K RAM Exp. When In Amiga Mode, Includes MS-DOS 4.01, Shell & GW-BASIC, DOS-Help, & On-Board Memory Supports A590 Hard Drive, Mouse Driver Software Included.

KCS POWERBOARD AS ABOVE BUT WITHOUT: MS-Dos 4.01, GW-Basic, Shell, — £189.95

NAKSHA 400dpi SCANNER — £114.95

Switchable between 200dpi and 400dpi Supports up to 32 grey shades with adjustable contrast Supplied with EXPRESS-IT! software, image utility allows you to save in the format best suited to your favourite package.

SUPRAM RAM RX 500 (512K to 8Mb. RAM Expansion)

The RAM expansion giving massive memory WITHOUT dismantling your Amiga, thus avoiding the possibility of invalidating your warranty. Easily connects to sidecar with bus 'pass-through' for HD's etc.

2Mb. RAM Version £199.95 4Mb. RAM Version £329.95

8Mb. RAM Version £549.95

NAKSHA MICROSWITCHED MOUSE — £24.95

GOLDEN IMAGE OPTICAL MOUSE — £32.95

COMPETITION PRO JOYSTICK 5000 Black — £7.95

ZIPSTICK JOYSTICK — £12.95

COMPETITION PRO STAR JOYSTICK — £14.95

The ONLY joystick to obtain a 100% rating from a magazine review!

3.5" DISK HEAD CLEANER — £2.99



BLANK DISKS with labels

10 Genuine SONY 3.5" branded
50 Genuine SONY 3.5" branded
10 Unbranded with library case 3.5" certified
200 Unbranded 3.5" certified

Only £9.95

Only £39.95

Only £7.95

Only £72.50

Easy Ordering

Before you choose from whom to purchase, please phone us. We are always happy to discuss your requirements, and answer any queries you may have...

ORDER BY PHONE: Phone our Order Hotline with your Access, Visa, Mastercard, Switch or Lombard Creditcharge Card quoting number & expiry date (Dixons, Currys, NASCR and other 'store' cards are Lombard Creditcharge and are accepted by us).

ORDER BY POST: Make cheques, bankers building society drafts or postal orders payable to GORDON HARWOOD COMPUTERS. (Personal/business cheques take 7 days to clear from day of receipt whereupon your order will be despatched). Please send Name, Address, and most importantly if possible, a Daytime Telephone Number along with your order requirements. Please check you are ordering from one of our latest advertisements before posting (phone if you require confirmation). Please remember that for example many September publications appear during August, therefore prices you see may have changed (either up or down).

FREE POSTAL DELIVERY: FREE within 14 working days, UK Mainland only. OR: **COURIER SERVICE:** Add £5.95 per major item for next working day delivery, UK Mainland most regions.

EXPORT ORDERS: Most items are available at TAX FREE PRICES to non UK residents when visiting /export shipment. Please contact us for ordering information.

REMEMBER AFTER YOU'VE BOUGHT FROM HARWOODS, WE'LL STILL BE HERE...

TECHNICAL SUPPORT: You will be given our Exclusive Technical Support Phone Number to call should you require any help or advice on any aspect of the system you have purchased. **12 MONTH WARRANTY:** Items proving faulty within 30 days of purchase are replaced with NEW UNITS unless otherwise stated. For the whole guarantee period, warranty service will be completely FREE OF CHARGE.

COLLECTION FACILITY: Any computer, monitor or printer requiring warranty service can be collected from your home FREE OF CHARGE during the guarantee period (UK Mainland only) and a FAST turnaround is GUARANTEED by our OWN ENGINEERS! **FULL TESTING PROCEDURE:** All computers are tested prior to despatch, and all items are supplied with mains plug and leads as required - just connect up and use straight away.

REMEMBER WE'RE NOT JUST ANOTHER MAIL ORDER COMPANY...

All listed prices are what YOU PAY, and there are NO HIDDEN EXTRAS. VAT and postage are included, and prices are correct at time of going to press (Pack details may vary from time to time). Offers are subject to availability and to being the latest advertised packs and prices. Our offers are NOT supplied on a trial basis. E&OE.

* FINANCE

FACILITIES... tailored to suit your needs. Written details on request.

Gordon Harwood Computers offer facilities to purchase using our budget account scheme. APR 36.8% (Variable). Available to most adults of eighteen years or over, subject to status. Simply phone or write and we will send you written details along with an application form. Applications, required in advance, available to full time U.K. mainland residents and overseas British forces personnel. Showroom visitors, please ask for details of our in-store "Instant Account". Written quotations on request.

If you are already the holder of a Lombard Credit Charge Card you can use this to purchase from us (subject to your personal card limit)

VISIT OUR SPACIOUS SHOWROOM

Please pay us a visit where our full range of advertised products, at the SAME COMPETITIVE PRICES, & MORE, is on sale. 'ALL UNDER ONE ROOF', in pleasant surroundings at our purpose built showroom (See note below map). There's plenty of FREE parking close by.

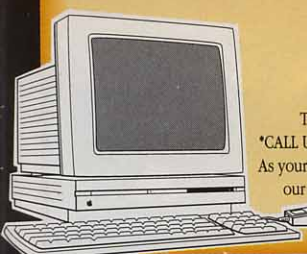
OPENING TIMES: 9.00 until 5.00 Monday to Saturday
9.00 until 1.00 Wednesday. Closed on Sundays



GORDON HARWOOD HARWOOD HARWOOD Computers

Access Creditcharge VISA SWITCH

GORDON HARWOOD COMPUTERS
DEPARTMENT amf/G3, NEW STREET,
ALFRETON, DERBYSHIRE. DE5 7BP
TEL: 0773 836781 FAX: 0773 831040



Apple™ in Alfreton...

For the professional user, Gordon Harwood provides the outstanding Apple™ Macintosh™ range of computers.

These superb systems are available at surprisingly competitive prices!

CALL US ABOUT OUR LIMITED PERIOD FREE PRINTER OR MONITOR OFFERS

As your quality assured Apple™ Authorised Dealer, systems are available through our showrooms only. Please visit us for your personal introduction to this exceptional range of friendly yet powerful graphical computers.

Offers open during 'Special Promotional Period' whilst stocks last

Gordon Harwood Computers



Authorised Dealer

BCS SPRING SALE

LOOKING FOR DISKS & BOXES LOOK NO FURTHER

100% CERTIFIED ERROR FREE

DISKS ! DISKS ! DISKS !

50	3.5"	DS/DD	£22.50
100	3.5"	DS/DD	£37.00
150	3.5"	DS/DD	£52.50
200	3.5"	DS/DD	£69.00
400	3.5"	DS/DD	£138.00
500	3.5"	DS/DD	£165.00
1000	+ Call for spot price		

All prices include VAT / free labels
& free delivery

100% CERTIFIED ERROR FREE

DISKS + 100 CAP LOCKABLE BOXES

50	3.5"	DS/DD + 100 cap box	£25.50
100	3.5"	DS/DD + 100 cap box	£40.50
150	3.5"	DS/DD + 100 cap box	£56.50
200	3.5"	DS/DD + 2 100 cap boxes	£74.00
400	3.5"	DS/DD + 4 100 cap boxes	£147.00
500	3.5"	DS/DD + 5 100 cap boxes	£174.00
1000	3.5"	DS/DD + 10 100 cap boxes	£ call

All prices include VAT / free labels
& free delivery

3.5" DELUXE LOCKABLE BOXES

40 Capacity	£4.10
100 Capacity	£4.50

3.5" STACKABLE BOXES

60 Capacity Lockable	£10.00
80 Capacity Banx Lockable Box	£8.95
150 Capacity Posso Box	£15.00

3.5" 10 CAPACITY BOX £1.00

5.25" 50 Cap Lockable	£5.10
5.25" 100 Cap Lockable	£5.90

NEW FROM BCS AMIGA CONSOLE UNIT £34.95

100% CERTIFIED ERROR FREE

DISKS + BANX STORAGE BOXES

50	3.5"	DS/DD + 80 Cap Banx Box	£31.00
100	3.5"	DS/DD + 80 Cap Banx Box	£45.00
150	3.5"	DS/DD + 2 x 80 Cap Banx Boxes	£68.00
200	3.5"	DS/DD + 2 x 80 Cap Banx Boxes	£85.00
500	3.5"	DS/DD + 5 x 80 Cap Banx Boxes	£199.00

All prices include VAT / Free labels & free delivery

A500 Plus 1MB Cartoon Classic Pack

ONLY £345

Philips CM8833 Mk II Colour Monitor
UK Spec, lead + F19 Flight Simulator +
1 year on-site warranty

ONLY £228

A500 Plus 1MB Cartoon Pack
+ Philips CM8833 Mk II
+ Lead + F19 + on-site warranty

ONLY £570

**CDTV
£445**

**PRINTER STAND
£6**

HIGH DENSITY 3.5" DISK 60P EACH
(OR 100 3.5" DS/HD FOR £61 INCL. P & P /
LABELS/VAT)

5.25" DS/DD Disks	21p each
5.25" DS/HD Disks	39p each

AMIGA EXT CUMANA DRIVE £58

14" MONITOR STAND (TILT & SWIVEL) £10.00

AMIGA 1500 ONLY £575

ACCESSORIES

1/2 Meg Upgrade	£27.00
1/2 Meg Upgrade + Clock	£29.00
1000 Labels (coloured)	£8.00
1000 Tractor Labels (white)	£10.00
Amiga Mouse	£14.00
Mouse Mat	£2.75
Mouse Holder	£2.50
1MB Upgrade (A500P)	£55.00

JOYSTICKS

Zipstick	£11.50
Stingray Joystick	£13.50
Cheetah 125+	£7.50
Cheetah Star Probe	£10.00
JetFighter	£12.50
Topstar	£21.00
Manta Ray	£13.50
Black Cruiser	£10.00

LOOK COLOUR PRINTERS

Star LC-200	£205.00
Star LC-24 200	£265.00

Prices incl. VAT/lead

**BEWARE, BEWARE, DUE TO MASSIVE DISK SHORTAGES STOCKS ARE SHORT IN THE U.K. B.C.S. HAS STOCK.
DON'T DELAY ORDER TODAY !**

All prices include VAT. Add £4 P&P / add £8 2 day / £10 next day
Call in or send cheques / postal orders to:

BCS Ltd., 349 Ditchling Road, Brighton, East Sussex BN1 6JJ
ORDER HOTLINE:

Tel 0273 506269 or 0831 279084

All offers subject to availability. Prices may change without notice.

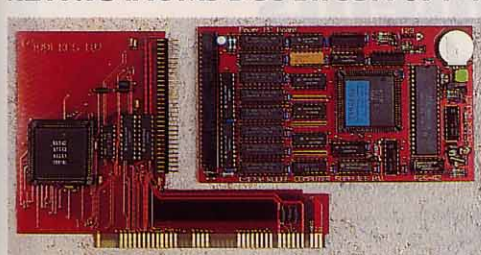
VISA



ART TUTOR**£25 CASTLESOFT 0333 421243**RED SKY (DRAMATIC FROM FIRES)
THROWS FOREGROUND INTO DEEP SHADOW

This is a first for the Amiga, and it's a program that has its origins on the Atari ST - remember those? Recently converted to the Amiga, this package promises to take you step by step through a

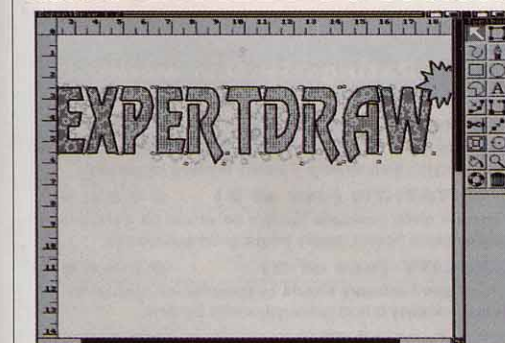
number of drawing lessons, teaching the basics of real drawing such as perspective, anatomy, how to draw cartoons and so on. It comes complete with a built-in paint package called *Level One*, which attempts to keep it simple by avoiding the use of menus. It's an intriguing idea, but the software house is an unknown quantity for us Amiga owners so wait to see the review next month.

KCS POWER PC BOARD**£219.95 INC MS-DOS BITCON 091-490 1919**

One of the two most popular PC emulator cards there is, and now it's available in two new forms. First, there's an

A500 Plus version, tailored to work on the new system, with the 1Mb memory (which the card adds to your Amiga's normal RAM) configured as Chip memory. Second, there's an adaptor card now available for an extra £74.95, that means you can install the Power PC Board inside an Amiga 1500, 2000 or 3000.

Version 3 of the board now extends the power of the emulator, which works in all PC graphics modes with a memory availability of 704K in the lower graphics modes and 640K in EGA or VGA. The processor runs at a reasonable 11MHz, but inevitably the system will slow down considerably when it's trying to run VGA. The company reckon that most hard drives are supported and most software will run on the emulator, but we will be giving it a full test very soon.

EXPERT DRAW**£69.95 HB MARKETING 0753 68600**

This one is really set to change the face of Amiga software as we know it. It's the first of what will hopefully become a series of Amiga software, sourced by UK distributor HB Marketing. HBM have been travelling Europe in search of high-quality programs that have not previously been translated into English, and

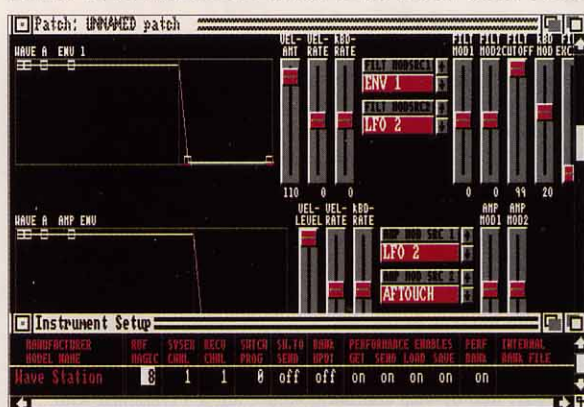
are undertaking translating the program text and the manuals into English before selling the series over here at a highly competitive price.

The first in the series, *Expert Draw*, is a real stunner. It's translated from a German original and it's a structured drawing program that competes directly with *Professional Draw* from Gold Disk. We've taken a brief look at the program and, quite apart from having all the features you could want from a drawing package of this kind, it looks faster and more solid than *Professional Draw*, as well as coming in considerably cheaper.

This is exactly the sort of thing that needs to happen to the Amiga at the moment: a top-quality package coming in at a reasonable price so that people

Coming Contraptions

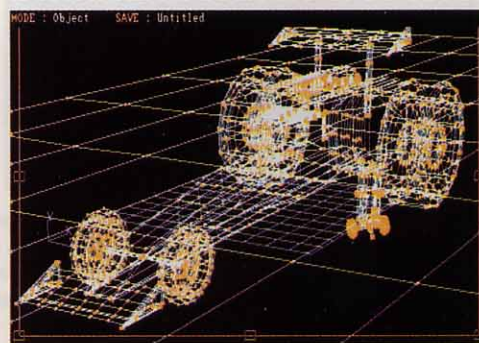
Here's a sneaky advance glimpse of the delights that are ready for release, as we take our regular look at the creative and useful software and hardware that will help you get the most out of your Amiga. Don't forget to check coming issues for in-depth reviews of the following...

DR T'S X-OR**£219 BLUE RIBBON VIA ZONE 081-766 6564**

It comes with a serious price tag, but this is a serious tool for serious musicians. Coming from US software house Dr T's, the top name in music software for the Amiga, this is basically a universal patch editor that allows you to pre-program and re-program new sounds for all sorts of synthesizers and tone modules.

The range of musical hardware supported is bewilderingly large and

new extensions are being provided all the time, so it's best to phone Zone and check if you're in any doubt as to whether your particular kit is supported. The software uses a systems-exclusive method so that sounds may be ported about at random, and all your MIDI gear can remain on-line at all times with a simple on-screen switching system so that you can also try out your sounds in development. This looks like a real winner, but our forthcoming review will show if it has any major advantages over specific tailored patch librarian systems.

EXPERT 4D**£49.95 HB MARKETING 0753 68600**

who haven't tried a particular area of Amiga use before will be encouraged to explore. Read the full review next month, but we reckon this could go straight onto our "you have to buy it" list.

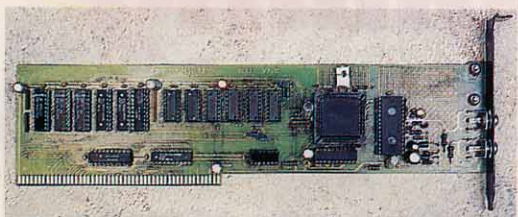
Second in the Expert series is this French-originated 3D modelling and rendering program. In

essence, the way this one works is simple enough: it allows you to create objects from primitives (basic shapes) and then build them up until you've created your car, house, spaceship or whatever. You then switch to the rendering mode, where the program will fill in the surface of your shape in any of a number of preset textures.

It's possible that the lower price reflects this, but we're not quite so confident that this second program in the *Expert* series will be quite such a smash hit: it looks just a little bit quirky and complex, the way most 3D modelling and rendering programs tend to be. All the same, at the price it looks as if it could be well worth exploring.

V-LAB DIGITISER CARD

£299 AMIGA CENTRE SCOTLAND 031-557 4242



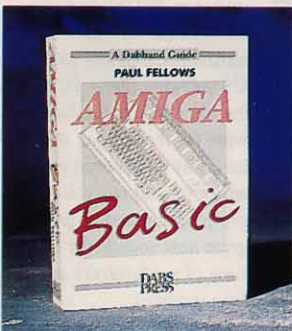
An extraordinary rethink of the video digitiser concept, this card for the Amiga 1500, 200 or 300 promises to bring a new simplicity to video digitising. Developed in Germany and still being translated into English by ACS, the system is based around hardware that includes television chips to grab

frames from a normal, ordinary YUV signal. These frames are stored in a framebuffer on the card and then passed on to the Amiga and translated into an appropriate Amiga file format, with HAM and 24-bit supported.

The clever thing about the system is that it can be plugged straight in to an ordinary video source and grabs the full YUV video signal with no need to use an RGB splitter. This should give improvements in the quality of the image as well as in ease of use. The software provides a moving 'preview image' which is an animation based on signal input, so while it's not quite the full motion video source, it removes the need for you to use a separate monitor. All very clever. We're trying out some initial experiments now and we will be bringing you a full review next issue so watch this space.

AMIGA BASIC

£15.99 DABS PRESS 061-773 8632



It's a great idea, but you have to doubt the timing. Just after Commodore have stopped putting *AmigaBasic* in with every new Amiga that is sold, a book arrives on how to use *AmigaBasic*. Ho hum.

All the same, if you have an older Amiga and have a copy of *AmigaBasic* lying around that you've never really got to grips with, this might tempt you to make the effort. It's not the first book on the subject (Abacus, the largest book publisher for the Amiga, also do a book on using *AmigaBasic*) but it's certainly the newest and, I would hazard a guess, very likely to be the last.

This book is packed with information and seems (on a quick flick through) to be very comprehensive and yet at the same time to take quite a simple, steady, step-by-step approach. Above all, it's crammed with listings which you can type in to get practical examples of what's going on as you learn about any particular subject. It looks like an excellent book on the subject: is anyone interested?

COMPENDIUM SIX

£39 (CHECK!) GENISOFT 0753 686000



Good value doesn't come into it: this pack of six programs on six separate disks has to be one of the best deals ever seen. Provided, that is, you've got any use for the programs. Every program in the pack is from the recent Genisoft line-up of simple, accessible educationally-orientated packages designed to help parents get the most out of the home Amiga. These were originally all released separately, so it's probably their lack of sales as

stand-alone programs that has prompted the release of the pack.

Putting them in the *Compendium* pack, however, makes the programs a much more exciting proposition, simply because each one is so specialised. If you saw them individually you might think "What, exactly, do I need that for?", but brought together as a group they become full of intriguing possibilities.

Star of the package for us is the word processor for kids, entitled *Kidstyping*, which exactly reflects the sort of thing used in primary schools for teaching computer literacy. But there's a strong supporting cast, too.

Weather Watcher is a meteorological exploration program which helps kids record and analyse weather data and create their own weather maps. *What is it? Where is it?* teaches the geography of the counties of Great Britain in the form of a fun game, while *Calendar Quiz* approaches the complex subject of dates in a similar way. *Game Set and Match* is a matching game that tests recognition of a wide variety of things, from shapes and colours to numbers and coins. Finally, *Words and Numbers* tests knowledge of how sentences are made up and how groups of numbers relate with a number of simple games.

All in all, this is an excellent pack for parents and has to be one of the bargains of the year.

'Serious' reviews

This is the section of the magazine dedicated to bringing you honest and intelligent reviews of the latest 'serious' releases in hardware and software.

From expansions such as extra memory and hard drives through to useful, practical utilities to the latest in 'productivity' (DTP, databases) and 'creativity' (paint, animation, 3D and music) software, it's all in here.

Two years running, **Amiga Format** has been voted by computer retailers as the magazine that they most trust when they're deciding what to stock, so you can see that we're the people best placed to advise you on what to buy. With our expert knowledge, we know what's the best program to date for any particular kind of job, and we'll see how anything new stacks up against the best in the business.

Contents

A big and brilliant 'serious' section for you to pore over, and it's full to the brim with Format Golds.

PROPAGE.....118

The first of our reviews on the updates of the two best DTP packages for the Amiga. How does Gold Disk's offering fare...

PAGESTREAM.....124

...when compared to Soft Logik's newly released Pagestream, turn the pages and find out the bottom line.

PRO CALC.....129

Find out why Gold Disk's new spreadsheet is even better than the current top dog, Advantage.

CALIGARI 2.....138

Another big update, in the 3D world but is this cheaper, domestic version what the artists have been waiting for?

EASY AMOS.....144

AMOS was meant to be the easy way to program, but still people found it difficult to get their heads round; not any more!

PRESENTATION MASTER.....151

Straight from Oxxi, a flashy slide-presentation system and a computer-based teaching system all-in-one.

AUDIO ENGINEER PLUS.....138

Another stunner of an update, and on a sampling package that was already top notch!

How the Ratings System works

SPEED (marked out of 5) ●●●●●

Tremendously important for both hardware and software: there's nothing more annoying than waiting. A purely intuitive judgement.

DOCUMENTATION (out of 5) ●●●●●

Although there are some packages that are so simple no manual is needed, complex items benefit hugely from a good explanation.

ACCESSIBILITY (out of 5) ●●●●●

The target for all good software should be powerful but simple: this rating assesses how easy it is to get to grips with the item.

FEATURES (out of 5) ●●●●●

Does it do what you want it to do? How well does it do it? And does it also do lots of other things that you'd never have thought of?

VALUE (out of 5) ●●●●●

A pretty important rating, this one: if a package does everything you could wish for, it's no use to you unless you can afford to buy it.



The Verdict, our at-a-glance overall rating, is a percentage: it's based on sheer quality but with the price taken into account, so that you know what kind of a deal you get.



DOUBLE CONFRONTATION



"MEGALOMANIA-FIRST SAMURAI offers unrivaled value for money as both games are among the best in their respective genres."
CU AMIGA



MEGALOMANIA
Strategy



© MIRRORSOFT LTD.

Compilation Available on
ATARI ST and AMIGA



AMIGA is a trademark of Commodore-Amiga, Inc.
ATARI ST is a trademark of Atari Corporation.

FIRST SAMURAI
Arcade-Adventure



895
AMIGA
RATING
ACE



© 1991 VIVID IMAGE.
© 1991 MIRRORSOFT LTD.

UBI SOFT Entertainment Software
Saddlers House, 100 Reading Rd
Yateley GU17 7RX Camberley, Surrey
Tel. 0252 - 860 - 299

TECHNOMANIA

Commodore Amiga A500+ Cartoon Classics Pack

3 Great Games
Lemmings (Psygnosis' Smash Hit)
The Simpsons versus the Space Mutants
Captain Planet and the Planeteers
Also Deluxe Paint III (Electronic Arts Superb Art Package)
and 1Mb of memory.

£349.99

Commodore Amiga 1500

1 Megabyte of memory, two 3.5" disk drives
and the following software:
Toki, ELF, Puzznic, Home Accounts
and The Works (integrated word processor,
spreadsheet and database)

£579.99

Commodore 1084D colour monitor

£729.99

MONITORS

Commodore 1085S£229.99
Philips CM8833 Mk2 (inc. cable, free copy
of F19 and one year on site
maintenance)£239.99

PRINTERS. (all printers include cable)

Citizen 120D+£129.99
Citizen 124D£189.99
Citizen Swift 9 Colour£199.99
Citizen Swift 24E Colour£289.99
Citizen Pro-jet£399.99

Canon BJ10EX£259.99

Star LC20£149.99
Star LC200 colour£219.99
Star LC24-200 mono£259.99
Star LC24-200 colour£299.99

ACCESSORIES

Cumana CAX354 External Disk Drive£59.99

512K memory upgrade with clock£29.99
Microbotics M502 1Mb upgrade for A500+ ..£45.99
Supra XR 8Mb Ramboard - populated
to 2Mb£149.99
Squik Replacement Mouse£14.99
Naksha Mouse with Operation Stealth£26.99

Dataflyer 500 fitted with 52Mb Hard Drive ..£299.99

GVP Series 2 A500 52MB Hard Drive£379.99
GVP Series 2 A1500 52MB Hard Drive ..£289.99
Memory for GVP 1Mb£32.00

Bodega BAY expansion£249.99

KCS PC Emulator£219.99
Also available for A500+

Many other products available. Please phone for
a price on your specific requirement.

All prices include
17.5% VAT and
Next Day Delivery
on Hardware



TECHNOMANIA,
13 WELLBURN STREET
DUNDEE, TAYSIDE DD2 2RR.

PHONE: 0382 22323 FAX: 0382 400444



Please allow five working
days for cheque clearance.
Prices are subject to
change without prior
notice. Orders received by
3pm despatched same day.



AMIGA 1.3 MEGAPACK - Stocks VERY limited -

AMIGA 1.3 VERSION COMPUTER

Only version guaranteed to run all Amiga software

RRP £349.95

1 MEG UPGRADE BOARD

Increases your A500 to a massive 1 Megabyte of RAM

RRP £29.95

WICKED 50 GAMES PACK

50 great games to get you going!

RRP £24.95

FIGHTER MICROSWITCH JOYSTICK

Essential to play your 50 games

RRP £7.99

QUALITY MOUSEPAD

RRP £6.99

TAILOR MADE DUSTCOVER

RRP £6.99

16 NIGHTS HOLIDAY ACCOMODATION

•PLUS• PD DISK PACK CONTAINING

Wordprocessor • Spreadsheet • Database • Virus Killer • Backup Utility

TOTAL RRP £426.82

But yours for an unbelievable...

£299.95

ALL OUR AMIGA PLUSSES NOW COME WITH A MASSIVE 2 MEG OF RAM

PROFESSIONAL VIDI PACK

A500+ CARTOON CLASSICS PACK

Complete with Bart Simpson • Captain Planet • Lemmings • D Paint III

RRP £399.95

2 MEG RAM BOARD (latest blue pcb design)

Increases your A500+ to a massive 2 megabytes of RAM

RRP £59.95

VIDI-AMIGA Plus VIDI CHROME

Frame grabber complete with colour software and filters

RRP £129.95

VIDI - RGB

Electronic colour splitter

RRP £79.95

TAKE 2

Latest animation package from ROMBO

RRP £99.95

PHOTON PAINT

This is in addition to D Paint III - the choice is yours

RRP £49.95

QUALITY MOUSEPAD

RRP £6.99

TAILOR MADE DUSTCOVER

•PLUS• PD DISK PACK CONTAINING

Wordprocessor • Spreadsheet • Database • Virus Killer • Backup Utility

TOTAL RRP £833.68

But yours for an unbelievable...

£499.95

GAMESMASTER PACK

A500+ CARTOON CLASSICS PACK

Complete with Bart Simpson • Captain Planet • Lemmings • D Paint III

RRP £399.95

2 MEG RAM BOARD (latest blue pcb design)

Increases your A500+ to a massive 2 megabytes of RAM

RRP £59.95

ASTRA TEN GAMES PACK

Dalastorm • Dungeon Quest • E Motion • Grand Master Slam • Kid Gloves

Powerplay • RVF Honda • Shufflepack Café • Soccer • Tower of Babel

(NB All games individually packaged)

RRP £229.78

WICKED 40 GAME PACK

40 great games to get you going!

RRP £24.95

2 FIGHTER MICROSWITCH JOYSTICKS

Not one but two quality joysticks

RRP £15.98

QUALITY MOUSEPAD

RRP £6.99

TAILOR MADE DUSTCOVER

•PLUS• PD DISK PACK CONTAINING

Wordprocessor • Spreadsheet • Database • Virus Killer • Backup Utility

TOTAL RRP £744.59

But yours for an unbelievable...

£399.99

PROFESSIONAL MUSIC PACK

A500+ CARTOON CLASSICS PACK

Complete with Bart Simpson • Captain Planet • Lemmings • D Paint III

RRP £399.95

2 MEG RAM BOARD (latest blue pcb design)

Increases your A500+ to a massive 2 megabytes of RAM

RRP £59.95

MUSIC X 1.1 (latest version)

Renowned as the best professional package on the market

RRP £149.95

QUALITY MIDI INTERFACE

Now you can hook up to any midi keyboard

RRP £34.95

2 x MIDI CABLES

Not one but two quality cables

RRP £13.98

QUALITY MOUSEPAD

TAILOR MADE DUSTCOVER

•PLUS• PD DISK PACK CONTAINING

Wordprocessor • Spreadsheet • Database • Virus Killer • Backup Utility

RRP £6.99

RRP £6.99

TOTAL RRP £672.76

But yours for an unbelievable...

£399.99

MONITORS / TVs

All our monitors/TVs come with the following value pack worth over £90 COMPLETELY FREE!
Value pack comprises:-

GFA BASIC

The most comprehensive programming language

RRP £49.95

10 DS/DD DISKS

RRP £9.99

10 CAPACITY STORAGE BOX

RRP £4.99

SCART LEAD TO YOUR COMPUTER

RRP £9.99

CLIP-IT PAPER HOLDER

RRP £8.99

MOUSE HOUSE

RRP £6.99

• PLUS • PD DISK PACK CONTAINING

Wordprocessor • Spreadsheet • Database

Virus Killer • Backup Utility

But yours for an unbelievable

£199.95

But yours for an unbelievable

£199.95

But yours for an unbelievable

£239.95

But yours for an unbelievable

£249.95

But yours for an unbelievable

£269.95

But yours for an unbelievable

£269.95

AMIGA CDTV STARTER PACK

CDTV PLAYER Complete with remote

control, Lemmings etc

RRP £499.99

CDTV KEYBOARD

RRP £49.99

CUMANA SUPER SLIM DRIVE

RRP £79.99

GFA BASIC used with above, transforms

CDTV into a fully programmable Amiga RRP 79.99

TOTAL RRP £679.96

But yours for an unbelievable

£549.95

AMIGA 1500 CARTOON CLASSICS SUPERPACK

NEW AMIGA 1500 featuring Workbench/Kickstart 2, The Works, D Paint III, Home accts etc RRP £699.95

ASTRA TEN GAME PACK 10 individually pack games (see A500 Gamesmaster pack for details) RRP £229.78

GFA BASIC Essential for basic programming RRP £49.99

CARTOON CLASSICS SOFTWARE

Bart Simpson Vs Space Mutants • Lemmings •

Captain Planet

2 FIGHTER JOYSTICKS

QUALITY MOUSEPAD

RRP £79.97

RRP £15.98

RRP £6.99

TOTAL RRP £1082.62

But yours for an unbelievable

£599.95

MEMORY DRIVES & SCANNERS

MEMORY	512K RAM EXPANSION WITHOUT CLOCK	£19.95	WITH CLOCK	£24.95
	1.5 MEG EXPANSION (Not Plus compatible)			£79.95
	1 MEG EXPANSION (Gives your A500 plus a massive 2MB)			£39.95
	1 MEG EXPANSION WITH THRU-PORT			£49.95
DRIVES	NEW 8 MEG RAM BOARDS FROM POWER Complete with Thru-Port Populated board			
	with 0Meg RAM	£99	• 2 Meg RAM	£129
	• 4 Meg RAM	£189.95	• 8 Meg RAM	£299.95
	DIRECT A500 REPLACEMENT DRIVE with instructions			£44.95
HARD DRIVES	POWER PC880E Robust slim drive with anti-click			£49.95
	CUMANA CAX 354 SLIMLINE DRIVE			£54.95
	POWER PC 880B with Blitz/Virus hardware			£69.95
	POWER PC880B+ X-COPY PROFESSIONAL			£99.95
SCANNERS	DUAL POWER PC880B complete with Power supply			£124.95
	GVP 52 MEG HARD DRIVE WITH RAM EXPANDABLE TO 8MB			
	0 Meg RAM	£379.95	• 2 Meg RAM	£429.95
	• 4 Meg RAM	£499.95	• 8 Meg RAM	£679.95
	GVP 105 MEG HARD DRIVE WITH RAM EXPANDABLE TO 8MB			
	0 Meg RAM	£579.95	• 2 Meg RAM	£629.95
	• 4 Meg RAM	£729.95	• 8 Meg RAM	£899.95
	POWER SCANNER WITH VERSION 2.0 SOFTWARE			£99.95
	UPGRADE KIT FOR NON POWER SCANNER UNITS			
	Complete with hardware interface and new version 2.0 Software			£49.95

Future World
computers

ALL PRICES INCLUDE VAT & COURIER DELIVERY

STAR PRINTERS

All our Star Printers now come with the following value pack worth £34.96 COMPLETELY FREE

QUALITY COMPUTER CABLE RRP £9.99
UNIVERSAL PRINTER STAND RRP £9.99
200 SHEETS CONTINUOUS PAPER RRP £4.99
TAILOR MADE DUST COVER RRP £9.99
16 NIGHTS HOLIDAY ACCOMMODATION
• PLUS • PD DISK PACK CONTAINING
Wordprocessor • Spreadsheet • Database •
Virus Killer • Backup Utility

STAR LC20 MONO PRINTER

9 Pin Dot matrix 180/45 cps
TOTAL RRP with value pack £268.01

But yours for an unbelievable **£149.95**

STAR LC200 COLOUR PRINTER

9 Pin colour 185/45 cps
TOTAL RRP with value pack £339.29

But yours for an unbelievable **£209.95**

STAR LC24-200 MONO PRINTER

24 Pin mono printer 220/55 cps
TOTAL RRP with value pack £386.29

But yours for an unbelievable **£249.95**

STAR LC24-200 COLOUR PRINTER

24 pin colour printer 220/55 cps
TOTAL RRP with value pack £445.04

But yours for an unbelievable **£299.95**

SERIOUS SOFTWARE

WORD PROCESSORS

QUICKWRITE basic but efficient and easy to use £59.99
PENPAL Ideal for both beginners & experienced users £79.99
WORDWORTH Industry standard, the best! £129.99

DATABASE

K-DATA Affordable, reliable & easy to use £51.99
SUPERBASE PROFESSIONAL £249.95

The ultimate, you can't get better

SPREADSHEET

K-SPREAD 2 Simple & easy to use £63.99
K-SPREAD 3 Enhanced version of above £81.99
MAXIPLAN Well known powerful spreadsheet £69.99
ADVANTAGE Powerful package for business users £99.99

UTILITIES

PERSONAL FINANCE MANAGER
Get your finances in order! £39.99

HOME ACCOUNTS 2

Suitable for home & small businesses £54.99
DEVPAC 3 Extremely powerful assembler £69.99

GRAPHICS

AMOS THE CREATOR Become a budding gamesmaker £49.99
WALT DISNEY ANIMATION STUDIO
every cartoonists dream £99.99

MUSIC

MUSIC X I.I Special purchase whilst stocks last £49.99
BARS & PIPES Top of the range for the professional £148.99

ORDERING MADE EASY



BY PHONE

Simply call our Head Office quoting your Access/Visa number on
0234 218060 (5 lines)



BY CALLING PERSONALLY

Simply call in to your nearest FutureWorld store where our fully trained personnel will be more than happy to deal with your requirements.

BY POST

Make cheques, Building Society drafts or POstal Orders payable to
FUTUREWORLD COMPUTERS LTD
UNITS 25-27 SERGEANTS WAY
ELMS INDUSTRIAL ESTATE BEDFORD MK41 0EH



Please write cheque guarantee card number on the reverse of cheque to ensure same day clearance. Cheques without a card number subject to 10 days clearance.



REMEMBER ALL PRICES ARE INCLUSIVE OF
VAT & COURIER DELIVERY (UK Mainland only)

FINANCE

Finance available to suit your specific needs. Written details on request
Instant credit is available in all FutureWorld stores

PREMIER GOLD CARD

- 7 day money back guarantee on goods purchased if not completely satisfied (subject to goods being returned in mint condition)
- 30 day exchange for new policy should a fault occur
- 1 year guarantee giving free collection and delivery service should a fault occur
- Exclusive Premier Gold Card with Personal Membership Number entitling you to special offers
- All this for only £19.95 per item purchased

1 YEAR GUARANTEE

For the whole guarantee period, warranty service will be completely free of charge

TECHNICAL SUPPORT/ON SITE ENGINEERS

Being authorised service centres for AMSTRAD, COMMODORE & STAR, we are equipped to deal with the majority of queries.

FULLY COMPUTERISED ORDERING SYSTEM

This enables our telesales staff to provide up-to-the-minute stock information coupled with efficient dispatch

FULL TESTING PROCEDURE

All computer hardware is tested prior to dispatch maintaining our motto:

*Simply the
BEST*

All goods subject to availability
All prices correct at time of
going to press

SUPER ABC PERIPHERAL PACKS

PACK B

1/2 MEG UPGRADE BOARD
RRP £29.95
2 FIGHTER JOYSTICKS
RRP £15.98
40 CAPACITY LOCKABLE DISK BOX
RRP £9.99
10 DS/DD 3.5" DISKS
RRP £9.99
TOTAL RRP £65.91
SUPER VALUE PACK PRICE
£34.95

PACK A

QUALITY REPLACEMENT MOUSE
RRP £19.99
SOLID PERSPEX DUST COVER
RRP £12.99
QUALITY SEMI-SOFT MOUSEMAT
RRP £7.99
TOTAL RRP £40.97
SUPER VALUE PACK PRICE
£19.95

PACK C

1 MEG EXPANSION BOARD
RRP £59.95
40 CAPACITY LOCKABLE DISK BOX
RRP £9.99
10 DS/DD 3.5" DISKS
RRP £9.99
3.5" DISK DRIVE CLEANING KIT
RRP £7.99
TOTAL RRP £87.92
SUPER VALUE PACK PRICE
£44.95

PROFESSIONAL AMIGA REPAIRS

"Simply The Best" Commodore authorised repair centre

FREE COLLECTION & DELIVERY BY COURIER Make one simple phone call and leave the rest to us!

GUARANTEED 7 DAY TURN AROUND We guarantee to return your computer
WITHIN 7 days of collection

FULL OVERHAUL INCLUDING OVER 50 DIAGNOSTIC CHECKS Your Amiga will look as good as new

3 MONTH COMPREHENSIVE GUARANTEE Our engineers work to the highest standard

ALL INCLUSIVE PRICE We won't con you with hidden extras

FREE 50 GAMES SOFTWARE PACK

For a limited offer we will give you a 50 games pack completely free!

ALL FOR THE
INCREDIBLE PRICE OF **£59.95**

NB Personal callers in to one of our stores may deduct £10 from the above price
We reserve the right to refuse computers that have been tampered with or are beyond
economical repair. In this instance a nominal £10 charge will be made to cover carriage costs

EXTEND YOUR WARRANTY TO A TOTAL OF 1 YEAR FOR ONLY AN ADDITIONAL £20.00

YOUR NEAREST *FutureWorld* STORE



BEDFORD

70 High Street Bedford Telephone 0234 217070



NORTHAMPTON

1-7 College Street Northampton Tel 0604 33996



WELWYN GARDEN CITY

16 Church Road Welwyn Gdn City Tel 0707 390029



WATCH THIS SPACE

More stores opening soon!



For the last few years Gold Disk's Professional Page has been the undisputed king of the Amiga DTP circuit. **Marcus Dyson** compares the latest version against long-time rival PageStream, and reaches some surprising conclusions.

ProfessionalPage 3

Desk Top Publisher ■ £249 ■ Gold Disk

RIGHT FROM THE word go, *Professional Page* has always been the top dog in high-quality Amiga DTP. With little brother *PageSetter* being the definitive entry-level package, Gold Disk seemed to have the lead in this prestigious race all sewn up. But ask any long-distance runner; leading from the front is a tricky business. Your competition get to ape your strengths and learn from your mistakes.

In an attempt to consolidate their position as leaders in the field, Gold Disk have just released a new version of *ProPage*, but is it a big enough step forward to see off the rivals?

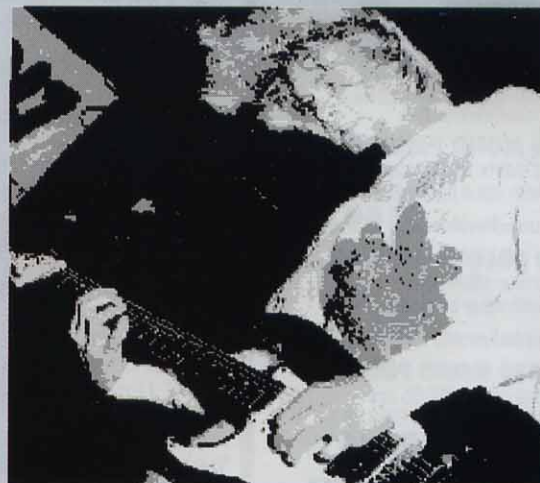
ProfessionalPage 3 certainly lives up to the first part of its name, the professional part that is. It absolutely requires that you have a hard drive. Yes, I do mean ABSOLUTELY. The only icons that appear when you load the disk are the install icons (one for the program and one for the fonts). These must be dragged to your chosen directory and double clicked on. At this juncture the program will be installed, a few on-screen prompts giving you the choice to customise it to a small extent.

As well as the hard drive, to obtain the only true benefit version 3 has over 2.1 you have to have AmigaDOS 2. Add this to the flicker fixer and accelerator cards you would be well advised to purchase, and it becomes very obvious that *ProPage* is a pro's tool.

The explanation of this seeming desire to make *ProPage* exclusively high-end comes from its geographical roots. You see Gold Disk are a very American company (well, a bit Canadian too), and in America A500s don't exactly sell by the barrow load. No! it's true, over there the serious market is seen to be exclusively A1500/2000/3000. So many software and hardware developers don't feel the need to support the lowly A500. It's not that they have anything against the vanilla Amiga *per se*, just that the market doesn't exist to make it worth their while.

Several years ago when I first became a DTP user I would gaze in covetous awe at the *ProPage* ads. Back in those days it would run on my 1.2 Amiga from floppy disk in just one MegaByte of RAM. Now several years later, as the Art Editor of a hugely successful international magazine I am in a position to go out and buy whatever DTP package I want. Would it still be *ProfessionalPage*? If I had been asked that question a couple of weeks ago I

ProfessionalPage had the Workbench 2 look even before Workbench 2 did. By Amiga standards *ProPage* offers very good screen previews of imported bitmap pictures. Text rendering on screen is good, but it needs to be because the program doesn't allow more than 200 per cent magnification.



The recent series of Pearl jam gigs in London revealed an interesting phenomenon, fans are polarising around either Nirvana or Pearl Jam. The fans of Kurt Cobain's band see Pearl Jam as hype-fuelled bandwagon jumpers, who's presence on the international rock circuit will only detract from the impact of Nirvana's incredible success. Whereas usually such fans would embrace both of two bands with such similarity of style and direction, this time the battle lines are drawn. Maybe it's not so surprising, after all would Epic records have been so eager to sign a left field American guitar band if Nirvana's second album 'Nevermind' hadn't exceeded it's expected

wouldn't have hesitated to say yes. But that was a couple of weeks ago. Since then I've encountered *PageStream 2.2* and been very pleasantly surprised.

The main reason for *ProPage*'s increased hardware appetite is the new macroing system it uses, called Genies. This system is a way to access the ARexx language included with

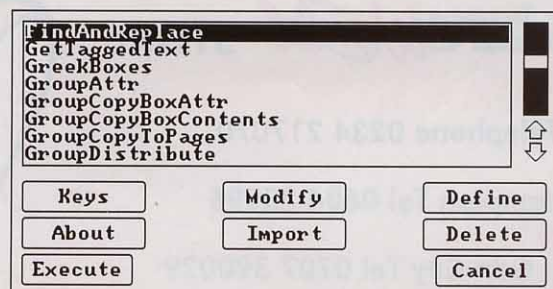
Workbench 2. The inclusion of Genies may be the biggest single change to *ProPage 3*, but there are a few others too. They include: an undo feature to allow you to correct your errors; five new Agfa Compugraphic fonts, bringing the total included with the program to seven; improved colour separation; compatibility with more word processors and a Hot Link system to connect to *ProDraw* for

band that have of the small band of followers of such Epic fall over the of Green River (to these questions are hot property to sell albums by disillusioned ex-Roses. But when of this matter, Pe excellent debut a maybe more dese Pumpkins, Crowb the international entirely undeserv their dues firstly i recognition, befo smack O.D., then under-rated album Soundgarden's O Guitar mageddon

I DREAM OF GENIES



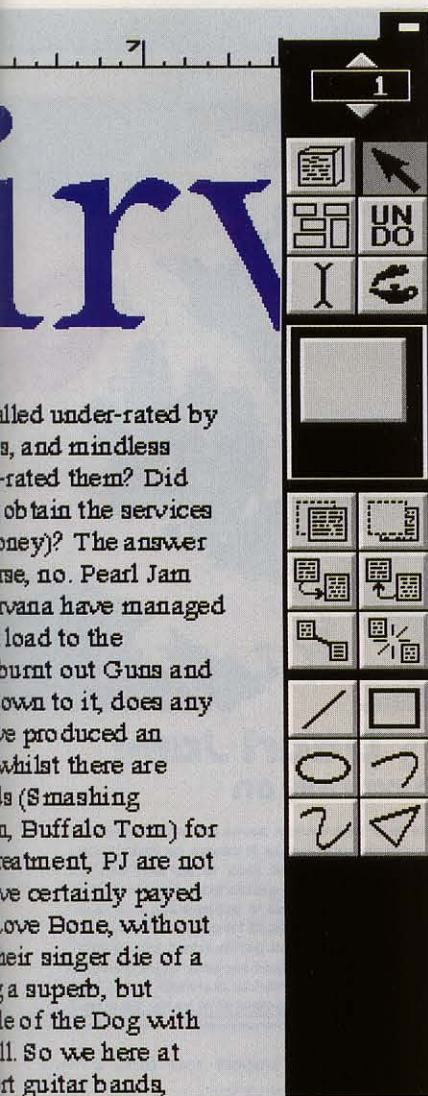
On the *ProfessionalPage* control panel there used to be a mop icon which did exactly the same as the one on your copy of *PageSetter*; erase the contents of the selected box. *ProPage* has moved this feature to the box menu. In the position of the old mop icon is the new icon shown at the right. This is the Genie icon. Genies are macros. Lots of programs allow you to write macros to allow several operations to be batched in one command. *ProPage* has gone one step further by incorporating Workbench 2's ARexx programming language into its system.



By pressing the Genie button you bring up this requester on the left, which displays the Genies that are available. More than 30 Genies are included with the program, but you can create your own, or edit the ones provided so they better suit your needs.

The provided Genies allow you to do things like create drop shadows (never the easiest task), tabulate spreadsheet information, or perform mail merges.

Page layout styles (letterheads, newssheets, envelopes) can also be defined as



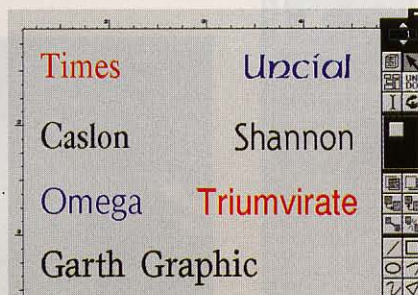
illed under-rated by
s, and mindless
-rated them? Did
obtain the services
oney)? The answer
se, no. Pearl Jam
vana have managed
load to the
burnt out Guns and
own to it, does any
ve produced an
whilst there are
s (Smashing
n, Buffalo Tom) for
reatment, PJ are not
ve certainly payed
ove Bone, without
their singer die of a
a superb, but
le of the Dog with
ll. So we here at
rt guitar bands,

interactive correction of structured drawings. All these enhancements do have equivalents in *PageStream 2*, although the *PageStream* macro system is not really a match for *Genies*.

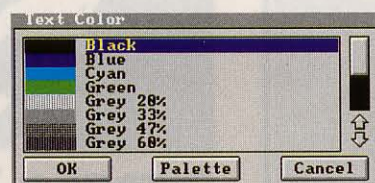
The true test of a DTP package is in the using, when you are working with a program all day, every day, you expect a good interface. Gold Disk addressed this problem with *ProPage 2*, which pre-empted *Workbench 2* by having its own 'shades of grey' 3D style interface. This was long before Commodore unveiled the AmigaDOS 2 programmer's guidelines. While this made *PP3* the epitome of a good-looking program when it came out, it now looks a little passé. It's hard to pinpoint exactly why this is, because at first glance they got everything right. But in comparison with new programs, who have adhered strictly to the AmigaDOS 2 guidelines, the interface looks just a little unsubtle.

Appearances aside, the *Professional Page 3* menus can be a little confusing. The program makes extensive use of submenus, so the item you want is not always immediately obvious. Searching through the menus is made difficult by the slow speed at which they redraw, so by the time a menu is fully visible it can easily have been overshoot, and the next one have started to draw up. This stops being a problem though, once the user becomes fairly familiar

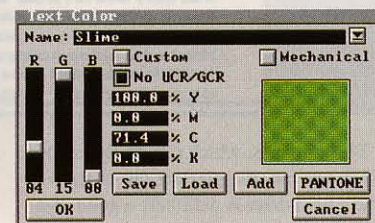
A FISTFUL OF FEATURES



fonts is a little more 'mature'. Some of the fonts that come with *PageStream* tend to be a little more on the novelty side, and will be of less practical use. Gold Disk have selected a choice of six very solid fonts that will be useable in a wide variety of applications, and only one novelty font.



Changing the colour of text in *ProfessionalPage* is simply a matter of selecting the text, and going to the colour option in the text menu. You are then presented with this requester box. If the colour you want is in the menu then just double click on it, or click once on the colour and once on the OK gadget. If the colour you want isn't already on the menu, select the palette gadget...



Once your colour is named, you just select custom or mechanical (non-separating) and mix it using the slide bars. A representation of your colour will appear in the colour well on the right.



To change the attributes of a box, select the 'box-alter-active' menu, and this requester will appear. This is a very important section of the program, in the same way that its equivalent in this month's *PageSetter* Coverdisk is. Most of the options are self explanatory. Locking a box anchors its position on the page, preventing it from being moved by accident. Position defines the box's location and size. Clicking the frame gadget activates the frame, but this must be given a width and colour in the object menu. We are interested in the rotation angle, which if we set to 270 degrees will produce text reading downwards like the example on the left.

TEXT

Professional Page provides new users with seven Agfa Compugraphic fonts. Although this is a smaller selection than the one that is provided with *PageStream*, the choice of

with the program's excellent system of keyboard shortcuts.

The screen background is a dull grey colour as opposed to *PageStream*'s bright paper white which is more pleasant to work on for prolonged periods. And when box outlines are turned on they are rather crude, as are the huge resize handles. This gives the program a far less professional look than it deserves.

Screen magnification is available as a submenu of the preferences menu, but only preselected steps are available, the maximum being 200 per cent, which is not adequate for fine alignment work.

The increased number of compatible text file formats is very welcome, as *ProPage* was lacking in this department previously. The redraw speed for text placed at an angle has increased dramatically, and text redraw overall is reasonably quick. There is no facility to manipulate text on the page, with the exception of the obvious: size; leading; alignment etc. More complex transformations like backslanting, curving and skewing of text must be carried out in a structured drawing program like Gold Disk's own *ProDraw*.

Agfa Compugraphic typefaces are the only outline fonts compatible with *ProPage*, and Gold Disk are one of the few companies that avail these on Amiga disk. Amiga bitmap fonts are obviously useable, but they are of limited use in a program of this quality.

ProfessionalPage is fairly restrictive because of the number of graphic file formats that it can import, and none can be edited on screen. Besides IFF bitmaps, *Aegis Draw* and *ProDraw* images, *Professional Page 3* can now import EPS files.

Its limitations aside *ProfessionalPage* is the program that defined the area of serious Amiga DTP, and it is still a very strong performer. It has full PostScript compatibility, and can produce superb colour separated film ready for four-colour printing. It is used by many DTP professionals, and the Canadian magazine *Amigo Times* was laid out exclusively using the program. So its pedigree is quite indisputable.

Professional Page 3

SPEED

Four dots
Faster at angled text than before. Still not fast enough overall, unless you use an accelerator.

DOCUMENTATION

Four dots
The version 3 manual is not ready yet, but it needs to improve on the V2.1 book.

ACCESSIBILITY

Four dots
The menus and submenus are not as logical as they could be.

FEATURES

Five dots
Full postscript DTP, and everything you need to produce professional-looking documents.

VALUE

Three dots
At well over £200 you expect something special. *ProPage* very nearly delivers, but not quite.



89%



In the three horse race of professional Amiga DTP the early favourite, ProPage, faces some stiff competition, not least from Soft-Logik's PageStream.

Marcus Dyson takes a look at where all the smart money's going.

PageStream 2.2

Desk Top Publisher ■ £199 ■ Soft Logic

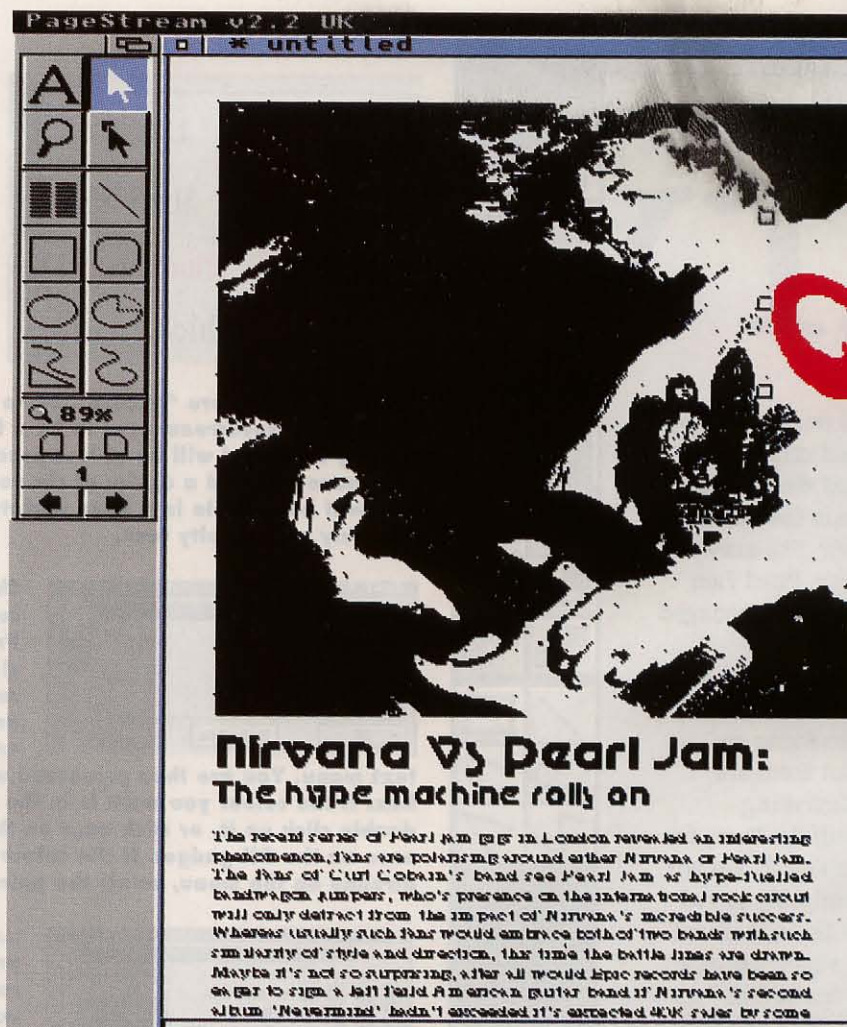
IN AN ATTEMPT to wrest the Amiga DTP crown from ProPage, Soft Logic have released a revised edition of their top DTP program PageStream. Version 2.2 is more than just a revision of 2.1, but it's available at zero cost to registered users of the previous version. But the changes to the new version are significant enough to attract new buyers.

The AmigaDOS 2 interface guidelines have been adhered to, so the program has a more professional look than before. It is a good thing that different programs, from different software companies, are finally starting to have similar looking interfaces. This familiarity of front end makes new programs less daunting to new users. This is one of the reasons why Apple Macintosh are so successful in the design field; where artists are sometimes reticent to approach new technology. Certainly the new style interface and requester boxes in PageStream are very easy to get to grips with. The program's features are all accessible through the menus and a series of logical requester boxes. Submenus are not used to any great extent and arcane typographic terms are avoided in favour of more understandable words (ie line spacing not leading).

Possibly the most important improvement over V2.1 is that PageStream is now stable in a 1Mb environment. Previously it would run in 1 Meg but recovery from low memory situations was dodgy, and crashes were frequent unless more RAM was available. Soft Logic may consider others of the 'thousands' of changes more important. But it is PageStream's (PS) ability to run on a standard Amiga from floppy disks that gives it its main advantage over Professional Page. If you are running PS from a more modestly-equipped machine however, beware of the interlace flicker; it is quite horrific. Any long-term use of PS absolutely requires a flicker fixer card. As with any Amiga DTP, an accelerator would greatly improve things too.

Although a hard drive isn't essential for the use of PageStream, potential users would be well advised to have them. When you spend this kind of money on a program you want to get the best out of it, and storing lots of outline fonts and structured clip art takes up plenty of disk space. Once you start thinking about

PageStream has a simple and attractive interface that allows easy control over a host of powerful features. Screen display of text is excellent (this doesn't show here because our picture grabbing technique de-interlaces the picture). Redraw time is good by Amiga standards, even if text is rotated or skewed. As with all Amiga DTP programs, the inability to display imported bitmapped pictures in colour lets it down, as does overall speed of operation.



Nirvana Vs Pearl Jam: The hype machine rolls on

The recent series of Pearl Jam gigs in London revealed an interesting phenomenon, fans are polarising around either Nirvana or Pearl Jam. The fact of Kurt Cobain's band see Pearl Jam as hype-fuelled bandwagon jumpers, who's presence on the international rock circuit will only detract from the impact of Nirvana's mercurial success. Whereas usually such fans would embrace both of two bands with such similarity of style and direction, this time the battle lines are drawn. Maybe it's not so surprising, after all would these records have been so easy to sign a half hearted American guitar band if Nirvana's second album 'Nevermind' hadn't exceeded it's expected UK sales by some

using 24-bit images, which can easily be more than 1Mb per file, floppies are out of the window. So a hard drive is definitely a good idea.

If you are using a hard drive, installing PageStream is a simple matter of running the install utility from the program disk. The program and fonts will be placed on your hard drive in a directory called PageStream2.

PAGESTREAM 2.2
is available from
Silica Systems
081-309 1111

PageStream can import text from a wide variety of word processors – as you would expect. But our personal favourite, ProText, isn't featured. WP compatibility is controlled by modules which are dropped in the 'drivers' drawer, so a future module may facilitate this.

The formats that are supported are ProWrite, Excellence, WordPerfect, 1st Word,

I FONT TO BE ALONE



PageStream comes complete with a number of quality fonts. Three are Agfa Compugraphic, eight are PageStream format.

machine that the pages of Amiga Format are printed on is a PostScript device. Adobe fonts aren't commonly available on Amiga disk at present, so they have to be downloaded via a Mac or PC. Amiga availability is very likely to improve, now that quality DTP packages like PageStream are supporting Adobe PostScript fonts.

Agfa Compugraphic fonts are rapidly becoming the standard for Amiga DTP programs, but they are not yet fully sorted. Agfa fonts occasionally refuse to print at certain sizes. Although this problem is rare, and only affects output sizes of around one inch. Changing the output size solves the problem, and at a size of 144pt (equivalent to an inch) there is plenty of scope for adjusting your size without compromising your design.

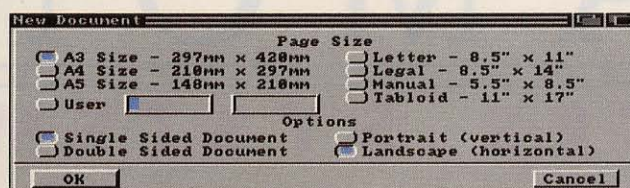
The title of this box-out aside, alone is one thing you will never be if you are a PageStream font. The program comes complete with a complete range of quality fonts. If like most designers you have particular tastes or requirements in typefaces, PageStream is compatible with both Adobe Type One fonts and Agfa Compugraphic typefaces, as well as Soft Logic's massive library of PageStream fonts. The Soft Logic font library is massive and of a very high quality. If you want to share your fonts with other programs however, you will need to use a more widespread format.

Adobe Type One fonts are extremely popular in the Mac world, as they are the standard for use with printers using Adobe's PostScript file format.

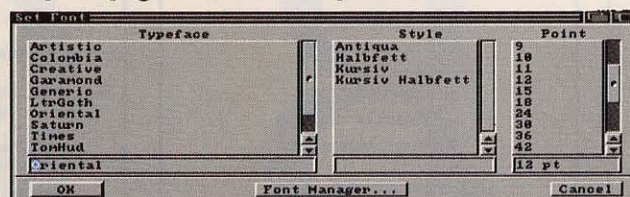
Postscript printers are capable of very high quality output, and for this reason are extremely popular in serious DTP organisations. In fact the Linotronic

ANY LAST REQUESTERS

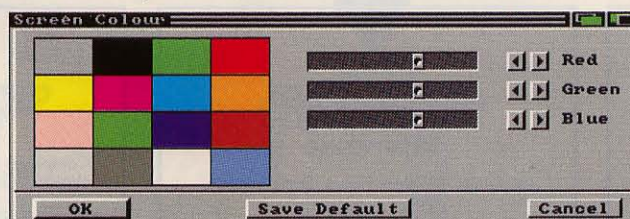
One of *PageStream*'s many strengths is the flexibility and accessibility of its requester boxes. Many powerful features are easily accessible through simple-to-use AmigaDOS 2-style windows, let's take a look at a few.



The new document requester allows you to choose the size of your page from a selection of options, or define your own custom size. The A-series of sizes are offered as well as American sizes, and each is measured in the appropriate system (imperial or metric). Choosing a double-sided document allows you to have two master pages, and to view facing pages on screen, although only the page on the left may be edited.



Choosing a font for a given piece of text is simply a matter of selecting the font/size item from the style menu. All the available fonts are listed, complete with any family styles for Compugraphic fonts. The Font Manager button at bottom centre allows the addition of fonts from different directories, *ProPage* CG fonts, for instance, must remain in their own folder.



The maximum number of colours available on screen is 16, these can be edited to best suit the actual colours of your document. It is possible for different actual colours to have the same screen colour. If this occurs text may not be visible against its background, editing of screen colours can solve this problem.



Your document can use as many actual colours as you require. New colours can be created, edited, deleted or added from another document using the colour palette menu. The program supports CMYK and Pantone colour mixing for printing and HSV, HSB/L and YIQ for TV and video work.

drawings enter *PageStream* as a grouped object, and can be ungrouped and edited much as if they were in a drawing package.

As with all Amiga DTP programs the screen representation is in a very limited number of colours. The default is four, to allow the 3D style requester boxes. Between two and 16 colours can be used, but there is a trade off for speed against the number of colours.

The colour output facilities are much more powerful, though, since *PageStream* is fully PostScript compatible, and the latest version now has the ability to colour separate EPS files. Also new to version 2.2 is Pantone colour specification.

One feature of *PS*, which seems a little strange, is that you can place guides – and anything else you want to be repeated on every page – on a master page. But you can't edit (or delete) any of them once they are in the document. This means that columns created on the master page cannot be filled with text once in the document. This, coupled with the fact that documents can have only one master page (two for double-sided documents), could have been a serious limitation. What saves the program from criticism here, though, is that documents can be saved as templates for other pages. This feature is very well executed, because templates open up as 'untitled' documents to prevent you from saving over them.

Given its useful features: automatic page numbering; support for HPGL (used by Laserjets and Plotters); the ability to edit structured drawings on the page and its incredible text manipulation abilities, *PageStream* is a powerful DTP package. It would be possible to layout *Amiga Format* using *PageStream*, given a sufficiently powerful machine. The graphic interface is superb and the program is intuitive, any one who has used an Amiga or a DTP package before should have no problem finding their way around *PageStream*.

If you're going to do serious DTP on the Amiga, there's absolutely no reason why you shouldn't do it with *PageStream*.

ProPage has finally met its match

PageStream 2.2

SPEED

No Amiga DTP programs are fast enough. *PageStream* is creditably quick though.

DOCUMENTATION

The manual is not for the completely uninitiated, but it is superb for those with a little knowledge.

ACCESSIBILITY

If you've used any DTP program (even *PageSetter*) getting started won't take long.

FEATURES

Everything you need for professional quality DTP from the Amiga.

VALUE

All you could want for less than £200. As good as *ProPage* for £50 less.



21%

(for files created on the ST) and *Rediger* (a popular word processor in France we are informed). Non supported text formats can be imported as ASCII text, and the option to choose between line feeds every line, or every paragraph makes formatting of text easier.

An even larger array of picture file formats can be imported into *PS*. When it comes to bitmapped pictures IFF is supported in standard HAM and 24-bit flavours. The IMG format used on PCs and STs is indeed useable, as are the ST's own NeoChrome and Degas formats. TIFF files are supported, plus GIF, *MacPaint* and Tiny format files. The only omission is the PICT format commonly used on Apple Macs.

For structured drawing files *PS* can handle DR2D, Aegis, *ProDraw* and GEM metafile formats. Again the ST and PC are well supported with the inclusion of the GEM compatibility, but the Mac is virtually ignored in this area too. The only way to transfer Mac vector drawings into *PageStream* is as *Illustrator* EPSs. This is great except that most Mac users draw in *Aldus Freehand*. *PageStream* can import MacEPS, IBMEPS and standard EPSs, but Mac EPSs do not show a screen representation because their preview files are PICTs.

Once either text or structured drawings have been imported, *PageStream* can manipulate both of them whilst in a document. Text can be rotated, skewed or twisted. Structured

NEW CD ROM Drive for your
A500/A500 Plus with 2 FREE
CD's ONLY £299



DIAMOND TV Monitor
The best available £249 INC VAT
OR ONLY £229 when purchased
with a computer!

YOU'VE
SEEN IT IN THE
PRESS NOW SEE IT AT
DIAMOND - COMING
SOON A590.

DIAMOND

COMPUTER SYSTEMS LTD

DIAMOND'S SALE HAS BEEN EXTENDED TO MATCH HUGE DEMAND

1Mb RAM  **1Mb RAM**

PACK

THE CARTOON CLASSIC PACK
AMIGA 500 PLUS
COMPRISING

Lemmings,
Captain Planet,
Bart Simpson,
+Deluxe Paint III,
+ All AMIGA standard
features, Mouse etc.

ONLY **£325.00** INC VAT
Or with 8833 Mk II Monitor
+F19 Promotion
ONLY **£545.00** INC VAT
**WE CANNOT BE BEATEN
ON PRICE**

LIMITED STOCK

2Mb RAM  **2Mb RAM**

PACK

THE DIAMOND CLASSIC PACK
AMIGA 500 PLUS
COMPRISING

Lemmings,
Captain Planet,
Bart Simpson,
+Deluxe Paint III,
+ All AMIGA standard
features, Mouse etc.

ONLY **£369.00** INC VAT
Or with 8833 Mk II Monitor
+F19 Promotion
ONLY **£589.00** INC VAT
**WE CANNOT BE BEATEN
ON PRICE**

LIMITED STOCK

1Mb RAM  **1Mb RAM**

PACK

**EVERYTHING BUT THE
KITCHEN SINK PACK**
AMIGA 500 PLUS
COMPRISING

Lemmings, Captain Planet, Bart Simpson,
+Deluxe Paint III,
+ All AMIGA standard features, Mouse etc.
+
Mousemat, Dust Cover, Joystick, 10x3.5" disks,
1 disk storage box, Speedball II, Shadow Of
The Beast II, Car Vup, Corporation, Xenon II,
Back To The Future II, Cadaver, Line Of Fire,
Teenage Mutant Ninja Turtles, St Dragon.

ONLY **£369.00** INC VAT
Or with 8833 Mk II Monitor
+F19 Promotion
ONLY **£589.00** INC VAT
**WE CANNOT BE BEATEN
ON PRICE**

LIMITED STOCK

**AS SEEN
ON TV**

1Mb RAM  **1Mb RAM**

PACK

HOME OFFICE PACK
AMIGA 500 PLUS
COMPRISING

Lemmings, Captain Planet, Bart Simpson,
+Deluxe Paint III,
+ All AMIGA standard features, Mouse etc.
+
The Home Office Kit
+
Seikosha 9 Pin Printer

ONLY **£469.00** INC VAT
Or with 8833 Mk II Monitor
+F19 Promotion
ONLY **£669.00** INC VAT
ADD £75.00 FOR COL PRINTER
**WE CANNOT BE BEATEN
ON PRICE**

LIMITED STOCK

1Mb RAM  **1Mb RAM**

PACK

BUSINESS PACK
AMIGA 500 PLUS
COMPRISING

Lemmings, Captain Planet, Bart Simpson,
+Deluxe Paint III,
+ All AMIGA standard features, Mouse etc.
+
The Home Office Kit
+
High Quality Oki 24 Pin Printer

ONLY **£579.00** INC VAT
Or with 8833 Mk II Monitor
+F19 Promotion
ONLY **£779.00** INC VAT
ADD £75.00 FOR COL PRINTER
**WE CANNOT BE BEATEN
ON PRICE**

LIMITED STOCK

1Mb RAM  **1Mb RAM**

PACK

**CAPTAIN DIAMOND'S
D.I.Y. PACK**

Comprises the Cartoon Classic Pack and a
choice of 10 games from the following list.

Datascorn, Grand Monster Slam, Kid Gloves,
Powerplay, RVF Honda, Shufflepuck Cafe,
Soccer, Tower Of Babel, Dungeon Quest,
Emotion, Speedball II, Shadow Of The Beast II,
Car Vup, Corporation, Xenon II, Back To The
Future II, Cadaver, Line Of Fire, Teenage Mutant
Ninja Turtles, St Dragon, Gazza II, Gunship,
Judge Dredd, Man United, Netherworld,
Predator II, Double Dragon II, Toyota Celica GT
Rally, Rick Dangerous II, Ultimate Golf.

ONLY **£375.00** INC VAT
Or with 8833 Mk II Monitor
+F19 Promotion
ONLY **£599.00** INC VAT
**PERSONAL CALLERS ONLY
NO MAIL ORDER**

LIMITED STOCK

The NEW Adventures Of CAPTAIN DIAMOND



Jason Holborn

works out his accounts on Gold Disk's new spreadsheet, and it all adds up to a quite remarkable new package.



NO ONE COULD SERIOUSLY claim that spreadsheets are terribly exciting things, but useful they most certainly are. If you've ever had to slave over a balance sheet (or indeed anything that requires a large number of complex calculations) with nothing more than a pencil and a calculator to keep yourself company, then you'll find a spreadsheet an absolute god-send.

Unlike most humans, spreadsheets are terribly good at handling numbers. Indeed, they absolutely love them. Simply by feeding in lots of numbers and then telling it how they relate, the spreadsheet will handle the tedious task of performing all the calculations. If you then decide to change any of the values within your spreadsheet, the computer automatically recalculates the sheet for you, saving you from the tedious task of recalculating the whole sheet yourself.

What's more, computers never make mistakes, so – providing you haven't made a mistake telling it how to calculate your spreadsheet (GIGO!) – you'll get 100 per cent correct results every time.

Gold Disk is certainly no stranger to the spreadsheet market. Its Amiga spreadsheet program *Advantage* is already generally regarded as the number one Amiga spreadsheet, so it comes as no surprise that its new *Professional Calc* spreadsheet is based heavily upon *Advantage*. *ProCalc* boasts an all-new Workbench 2.0-like user interface (complete with the now standard bass-relief gadgets and requesters), but has the same smooth and logical way of working that made *Advantage* such

Professional Calc, V1.0. Copyright © 1991 Gold Disk Inc.

Untitled

E1:E39

	None	A	B	C	D	E	F
1		AMIGA FORMAT EXPENSES					
2		For Period Ending March 1992					
3			APRIL	MAY	JUNE	JULY	AUG
4		Food					
5		Swartz Bros	£12.45	£10.90	£12.00	£12.45	£12.45
6		McDonalds	£11.98	£6.30	£11.98	£11.98	£11.98
7		Hatchetts	£25.60	£18.90	£25.60	£23.80	£18.00
8		The Sandwich Boy	£15.00	£17.00	£15.00	£15.00	£15.00
9		Total Food	£65.03	£53.10	£64.58	£62.43	£57.43
10		Drink					
11		Hatchetts	£19.20	£6.00	£19.20	£19.20	£19.20
12		The Griffin	£3.20	£3.20	£3.20	£3.20	£3.20
13		Moles	£0.00	£0.00	£0.00	£2.00	£0.00
14		The Loft	£6.70	£6.70	£6.70	£6.70	£6.70
15		Total Drink	£29.10	£21.90	£29.10	£31.10	£29.10
16		Other Expenses					
17		Maff's Shavers	£4.50	£4.50	£4.50	£4.50	£4.50
18		Dane's Hair Cream	£12.00	£10.00	£6.00	£12.00	£12.00
19		Pat's Rizlas	£25.00	£25.00	£18.00	£25.00	£25.00
20		Total Other	£41.50	£39.50	£28.50	£41.50	£41.50
21		Total Expenses	£135.63	£114.50	£122.18	£135.03	£128.03
22		Budget	£120.00	£120.00	£120.00	£120.00	£120.00
23		Balance	-£15.63	£5.50	-£2.18	-£15.03	-£8.03

Multiple font sizes and styles aren't just restricted to graphs! With *ProCalc*, even your spreadsheet can look good.

Professional Calc

Spreadsheet ■ £129.96 ■ Gold Disk

PROFESSIONAL CALC
Available from
Silica Systems
081-309 1111

a favourite, which virtually ensures *ProCalc*'s success from day one.

It certainly looks and feels like most other spreadsheets, but it doesn't take long to realise that it's something very special indeed. One very nice addition to *ProCalc* is a new 'Control Panel' that runs along the top of every sheet. Multiple sheets can be loaded simultaneously with each sheet having its own control panel. This panel contains a number of gadgets which allow you to carry out the more

commonly selected functions at the click of a mouse button without having to mess around with the pull-down menus.

Unlike *Advantage*, *ProCalc* sheets aren't just restricted to the standard system font. You can now use any standard bitmapped font to make individual cells stand out, mixing and matching to improve the visual impact of your sheet. This works particularly well in SuperHiRes mode (available only on ECS-

Continued overleaf

Professional Calc, V1.0. Copyright © 1991 Gold Disk Inc.

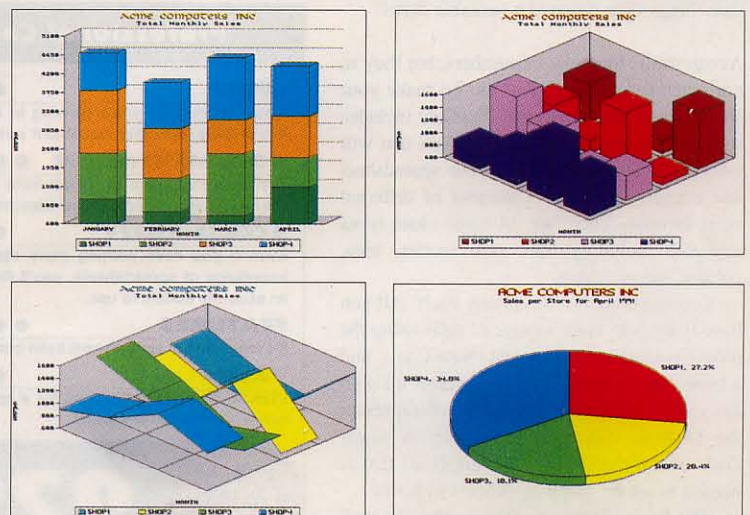
Untitled

B12:G12

=SUM(B7:B10)

	B	C	D	E	F	G	H
1							
2							
3							
4		APRIL					SEPT
5							
6							
7		£2400.00	£200.00				3.00
8		£1200.00	£100.00				3.00
9		£0.00	£250.00				3.00
10		£1200.00	£60.00				3.00
11							
12		£4800.00	£620.00				3.00
13							
14							
15							
16		£500.00	£500.00	£500.00	£520.00	£520.00	£520.00
17		£80.00	£70.00	£65.00	£65.00	£50.00	£50.00
18							
19		£580.00	£570.00	£565.00	£585.00	£570.00	£570.00
20							
21		£4220.00	£6330.00	£3435.00	£9215.00	£2230.00	£9230.00

The 'New Chart' requester allows you to choose from 14 different chart types.



So pick the chart that best suits your needs and *ProCalc* will display the vital statistics.

equipped Amigas), although using multiple fonts can slow down the screen refresh of your sheet considerably.

To ensure compatibility with the rest of the world, *ProCalc* can read and write spreadsheets in *Lotus 1-2-3* format (the IFF of spreadsheet formats). What this basically means for the average Amiga owner is that sheets produced using *ProCalc* can be ported across onto the PC and other platforms and loaded directly into any one of a number of high-level spreadsheet systems. This sort of compatibility is rare on other systems, but *Lotus* is such a big name that you'd be hard pushed to find a PC or Mac spreadsheet that didn't at least read *Lotus* files.

The similarities between *ProCalc* and *Lotus* don't just stop at file formats either. All spreadsheets offer a set of functions which can be used to 'program' individual cells to carry out mathematical operations. It's a bit like a mini programming language really, although the programs that you write for each cell are restricted to 'one liners' only. *ProCalc* supports all the functions offered by *Lotus 1-2-3*, plus a few of its own. In total, there are over 125 functions on offer providing statistical, trigonometric and financial operations.

Another unique feature of *ProCalc* is its database function which allows you to manipulate data arranged in lists within a spreadsheet. This can be useful when multiple spreadsheets use the same numeric data over and over again. Say you were drawing up a spreadsheet that needed to access payroll information. Instead of having to type all this information in yourself, you could simply define a database that contained the salary details of all your employees. Very useful!

The speed at which *ProCalc* performs calculations is pretty impressive. Obviously you wouldn't notice any speed differences on simple sheets, but even with larger sheets *ProCalc*'s number-crunching engine rattles along at a phenomenal rate. Indeed the only thing that slows spreadsheet recalculation down is the speed at which the screen is redrawn. This isn't a problem when running *ProCalc* in standard resolutions, but run it in SuperHiRes with lots of different fonts and then things slow down to a veritable crawl.

Accountants love lots of numbers, but they're not much fun to the rest of us. To make your spreadsheets more readable, *ProCalc* includes some very powerful graphing options that will take the figures held within your spreadsheet and convert them into a number of different chart formats. There are 14 basic chart types available including line, bar, scatter, area, column and pie charts.

Creating a chart is simplicity itself. All you have to do is to mark a range of cells using the mouse pointer and then select 'New Chart' and a beautifully presented requester pops up onto the screen containing gadgets which represent the 14 basic chart types available. A single click on the chart type you want is all that is needed to set the graphing process in action.

The basic charts on offer do the job well enough, but you can spruce them up no end by

altering the various parameters which are associated with each chart type. You can, for example, convert your rather flat-looking bar chart to full 3D, complete with axis lines, a headline in a tasteful font and much more besides. It's all too easy to spend hours just playing around with these graphing functions simply because of the level of control that *ProCalc* gives you over its charts.

Once you've plotted a chart, it can be printed out to a preference-supported or Postscript printer or saved off to disk for use later. *ProCalc* allows you to save charts in a variety of different formats including the now obligatory IFF, plus *Professional Draw* CLIP (ideal for porting graphs directly into *Professional Page*), *Aegis Draw* compatible CAD format and EPSF.

With the recent release of *Video Director* and *Professional Page 2.1* (soon to be upgraded to 3.0), it seems that Gold Disk can do no wrong. They've always been seen as one of the leading developers of serious Amiga applications, but their track record over the last year or so must surely see them as a true market leader in the same league as such hard-hitting companies as NewTek and GVP.

It seems that nearly everything that Gold Disk produce these days is virtually perfect and the release of *Professional Calc* serves only to reinforce this view still further. It undoubtedly lacks in some areas, but what it does it does to perfection. Where *ProCalc* really scores, though, is in its ease of use. Spreadsheets have always been looked upon as rather dull and unfriendly programs, but using this program is so simple that Gold Disk have managed to make it almost fun to use. This ease of use encourages you to experiment with *ProCalc*, extending your grasp of its more complex features without the tedium associated with other spreadsheets.

No one could honestly claim that any spreadsheet was 'fun' to use, simply because of the subject matter that the spreadsheet is associated with, but *ProCalc* is about as close as you'll ever get. If you're looking for a serious spreadsheet that can run rings around the competition, *ProCalc* is the only choice.

Professional Calc

SPEED

Slows down a bit when running in HiRes with lots of fonts, but other than that it's very rapid.

DOCUMENTATION

Just as we've come to expect from Gold Disk, the manual is well written and presented.

ACCESSIBILITY

Even if you have nothing more than a basic knowledge of spreadsheets, you'll find *ProCalc* an absolute doddle to use.

FEATURES

No other Amiga spreadsheet even comes close!

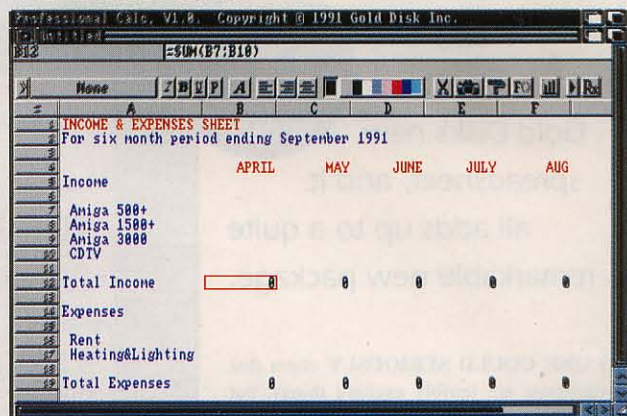
VALUE

£129.96 may sound like a lot for a spreadsheet, but *ProCalc* is the business!

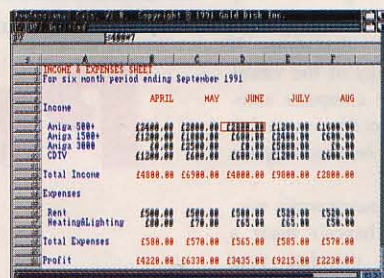


92%

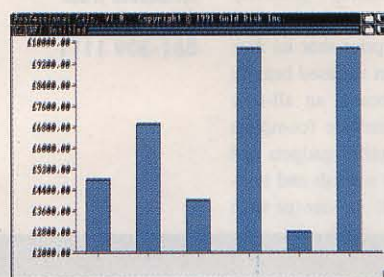
FUN WITH NUMBERS



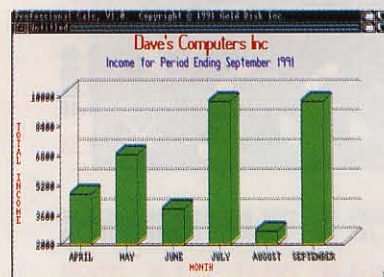
The first step when using any spreadsheet is to define the outline of your sheet. Defining a spreadsheet outline is a little like designing a form, the only difference being that the fields that contain the results of calculations will be filled in by the spreadsheet. At this stage no values are entered, just descriptive text and the formulae that will tell the spreadsheet how to act upon the values that you will later feed to it.



complete. This process of spreadsheet recalculation is handled automatically, so you don't even have to tell *ProCalc* to update its totals. Once all the values are entered, the spreadsheet is complete.



more readable graph format. *ProCalc* supports a large number of graph formats including line charts, 2D and 3D pie and bar charts etc.



graphs can then be saved out in a number of different formats including IFF, *ProDraw* clip format and Postscript-compatible EPS format.

The next step is to start entering all your spreadsheet values. As values are entered, the spreadsheet will automatically update the totals to reflect these new values until the spreadsheet is

Most conventional spreadsheets stop here, but thanks to the Amiga's powerful graphic facilities, *ProCalc* can take the values defined within your spreadsheet and turn them into a

Once the graph is defined, you can then customise it by adding labels in a variety of different font styles, changing the colours of certain elements and plenty more besides. These

stereo MASTER

When you are considering purchasing a sound sampler there are plenty to choose from. Why compromise? your choice should be the new full featured STEREO MASTER for the Amiga, with software that is designed from our top selling Amiga sampler AMAS and a package that gives you more extras than a M series BMW. By purchasing this state of the art product which combines a quality sampler with the expertise of over 10 years of software programming, you are purchasing a top quality product with the knowledge that it is not only compatible with existing Microdeal products but will also be with future ones.

What is Stereo Master

Stereo Master is a low cost, high quality sound sampler for the Amiga range of computers. The sampler cartridge included in this package plugs into the printer port at the rear of the computer and allows you to analyze the sounds coming in from devices such as Personal Cassette Players, Compact Disc Players etc, or change the way they sound using the Real Time Special Effects or record them. Once in the computer STEREO MASTERS unique editor will enable you to edit the sound in practically any way you can imagine. Once you have the sound sample how you want it, you may incorporate it into your own Demo's or use STEREO MASTERS own built in sample sequencer to play back the sample in sequence with other samples!



MAIN SCREEN

The Sampling Software

Every feature you would expect to find in a professional editing suite including:

- * Real time record/play ghost markers
- * Cut or Delete selected sample area
- * Mix sample with full or half volume
- * Shrink in by 25%/50%/75% by drag or wipe
- * Fade in/out with selectable degree of fade
- * Filter sample with soft/medium/hard filter
- * Selectable trigger volumes
- * Record frequency from 3.0 to 55.9 Khz
- * Full editing and control facility for left/right channels
- * Playback volumes
- * Decrease volume
- * Increase volume
- * Bounce sample
- * Paste sample
- * Trigger recording
- * Clear left/right samples
- * Loop sample

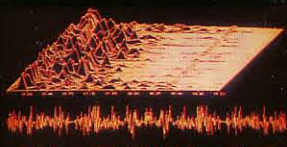


THE SPECIAL EFFECTS CONTROL PANEL

The Special Effects Software

For the first time ever you can emulate special sound effects in real time just like the sound labs can for film studios, normally the hardware to produce these effects would cost 100's of times more than this package. Features on the FX menu include:

- * Built in real time special effects including Echo, Reverb, Ramp, Pitch up/down, Stereo bounce, Multi echo Chorus, Phaser, Reverse and Pitch bend.
- * Fully programmable special effects so that customised effects can be recalled



3D DISPLAY OF SAMPLE FREQUENCIES (FFT)

The Analytical Software

A whole host of pro-type analytical functions include:

- * 3D display of sample frequencies (Fast fourier transform)
- * 3D display also includes 2D envelope display plus sample information.
- * Built in Stereo spectrum analyzer.
- * Stereo Oscilloscopes with trigger markers



STEREO SPECTRUM ANALYZERS



STEREO OSCILLOSCOPES



THE SEQUENCER CONTROL PANEL

The Sequencing Software

Our built in sample sequencer allows you to take up to 18 samples (memory permitting) and sequence them into your own "tronic" mixes, features on the sequencer include:

- * Real time entry of sequences from keypad
- * Step time entry of sequences
- * 2 stereo channels for sequencing
- * Storyboard style editing
- * Digital sequence position display
- * Fast forward/rewind controls
- * Program sample to keypad
- * Stand alone demo player displays IFF picture whilst playing sequence
- * Sequence copy function
- * Loop sample
- * Selectable sequence speed
- * Dump/re-edit function
- * Test function
- * 2 octave playback
- * Insert/delete sample in step time



© 1991 MICRODEAL U.K.
ALL RIGHTS RESERVED

Other innovative features

We know this product is years ahead of its time and these additional features justify our boast:

- * New style stereo cartridge
- * Produces stand alone executable sample files
- * Fully multi tasking
- * Saves in IFF/Raw/Instrument1/3/5 Octave
- * Includes walkman type cable
- * PAL/NTSC full screen display
- * Can create workbench icons
- * Save customised settings

AMIGA **STEREO MASTER ORDER FORM** AMIGA
STEREO MASTER IS £39.95 Post & Packing £1 (All prices inc. V.A.T.)

BY PHONE
WITH
CREDIT CARD



(0726) 68020



BY POST

With cheque, Postal Order or Credit Cards.

Name.....

Address.....

Postcode.....

Credit Card Type.....Expiry Date.....

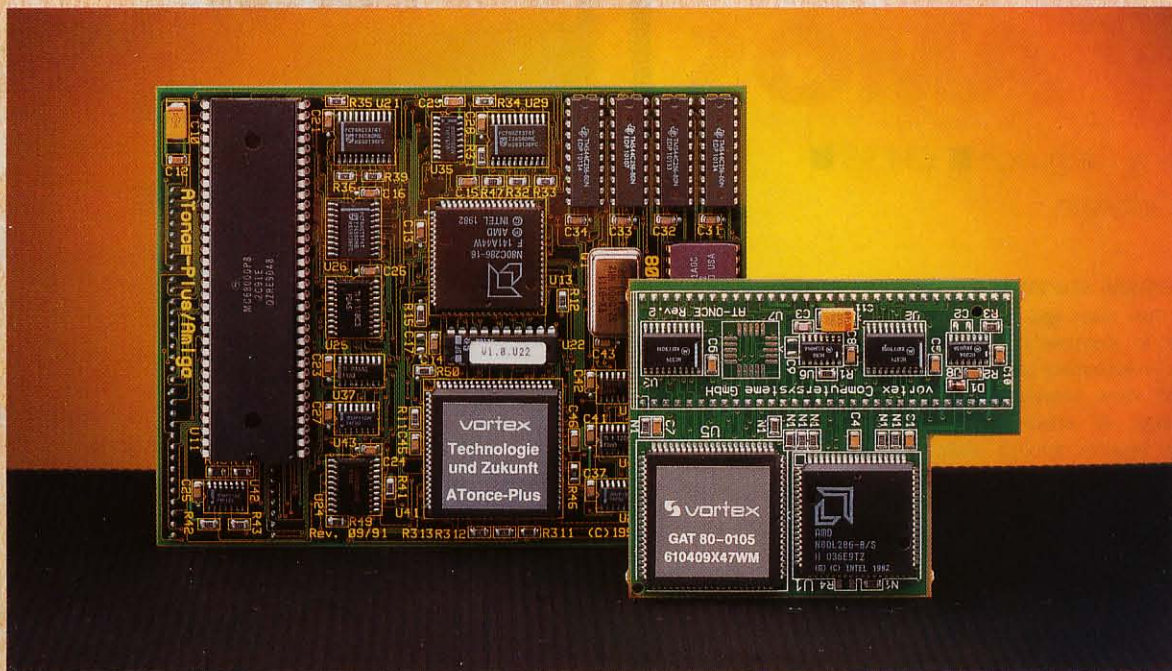
Number.....



Please allow 28 days for delivery

SEND TO: Microdeal PO BOX 68 St Austell Cornwall England PL25 4YB

VORTEX ATONCE



The Solution in 286 AT Emulation for Amiga 500, Amiga 500-Plus, Amiga 2000

vortex ATonce-classic and vortex ATonce-Plus are the solutions in 286 AT emulation for the Amiga 500, Amiga 500-Plus and Amiga 2000. These emulators convert your Amiga into a PC/AT compatible computer with multi-processor and multi-operating system facilities.

Work with PC/AT programs and games under DOS as well as with your Amiga under AmigaDOS. ATonce runs as a task within AmigaDOS and is totally transparent when not in use.

All components guarantee 286 AT emulation with a high degree of compatibility and provide your Amiga with full system reliability.

ATonce is compatible with Kickstart 2.0. Windows 3 runs unrestrictedly in the Protected Mode. It accesses the entire environment of your Amiga: Commodore compatible hard disks, internal/ external disk drives and RAM, the serial/ parallel interface, mouse, sound, RTC and CMOS RAM. Video emulations such as EGA and VGA in a monochrome graphics mode, CGA with 16 colors, Hercules, Olivetti and Toshiba T3100 are available. ATonce fits directly into the socket of the 68000 CPU¹, so that a RAM expansion, if present, need not be removed. The expansion port at the side and the trap-door expansion port at the bottom remain free.

ATonce-classic is the emulator for the Amiga 500/ A 500-Plus. Its 286 CPU, rated with 7.2 MHz, offers a Norton SI ≤ 6.3 . Start with

£ 139

ATonce-classic for: RRP INC VAT
ATonce-Plus is the professional 286 AT emulator with 512 KB RAM and a socket for an optional 80C287-12 arithmetic co-processor. The 286 CPU, with a 16 MHz clock frequency, offers a Norton SI ≤ 16.2 . Full 640 KB DOS memory are available. ATonce-Plus can be fitted inside the Amiga 500, A 500-Plus and A 2000.

The price for this solution: **£ 249**
RRP INC VAT

For more information, contact your local Amiga dealer or call Compuserve at 100015,330.

¹ The guaranty might be voided. All company or product names are trademarks or registered trademarks of their respective holders. ATonce is the registered German trademark of vortex Computersysteme GmbH. Distributed in the UK by: SDL, 10 Ruxley Corner Industrial Estate, Edgington Way, Sidcup, Kent, DA14 5SS, Tel. 081-309 5000, Fax. 081-300 5440



Does the thought of programming reduce you to a quivering wreck? If so, then this is the language for you to start with.

Jason Holborn gets back to basics.

Easy AMOS

Programming Language ■ £34.95 ■

Europress Software

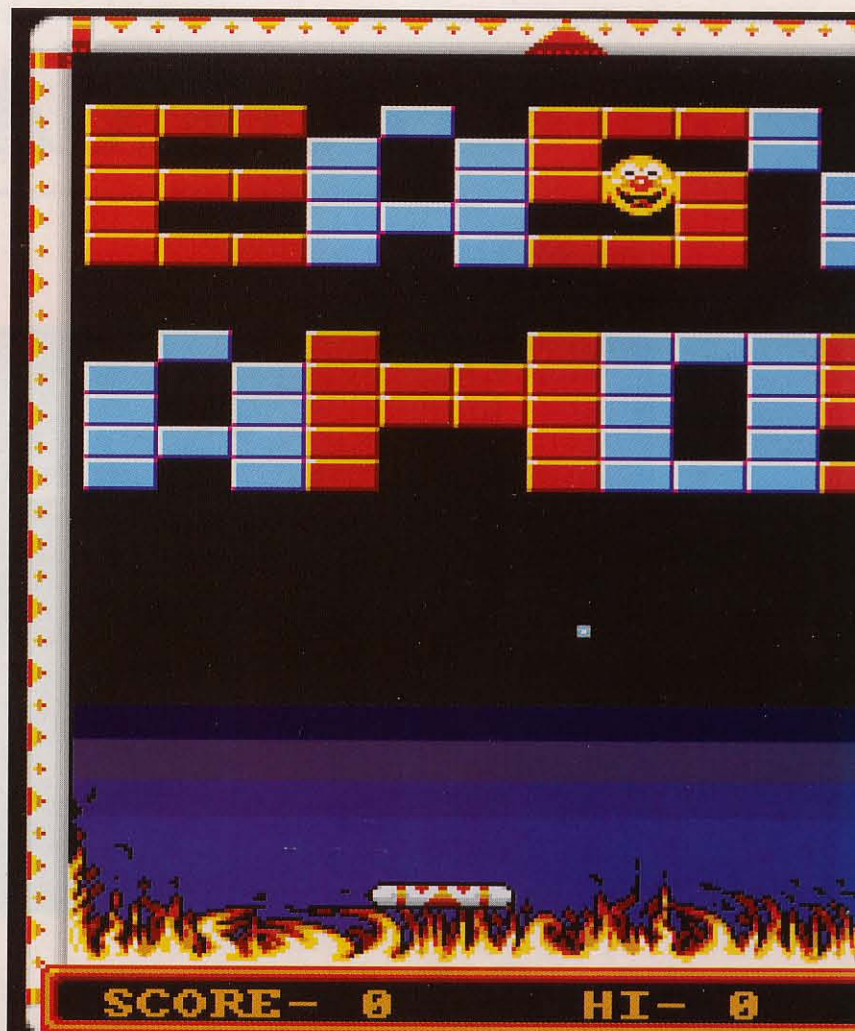
WHEN EUROPRESS SOFTWARE launch ed *AMOS* over two years ago, it seemed to be the answer to everyone's dreams. At last there was a programming language available that would allow virtually anyone to produce the kind of effects that were previously only possible through assembly language. Programs employing ultra-fast sprites, smooth full-screen scrolling and interrupt-driven music could now be written in a matter of minutes.

With all the hype that surrounded the launch of *AMOS*, hordes of Amiga owners queued to get their hands on what was being called the most revolutionary Amiga product to date. But, as the initial excitement started to die down, many soon came to realise that despite *AMOS*'s undoubted power, it wasn't quite the dream product that many had expected it to be. From a programming point of view, *AMOS* was (and still is), the most powerful basic programming language available, but it still shared one trait that manages to dog all programming languages – it won't write programs for you. Producing simple demos was easy enough, but it still took more than a little programming talent to produce anything more than this.

Acting upon this obvious problem, Europress have produced *Easy AMOS*, a simplified version of the *AMOS* interpreter that has been specifically designed for the absolute beginner. Europress aren't claiming that *Easy AMOS* will write your programs for you, but it's so simple to understand that even someone with the intellectual capacity of a Nintendo

EASY AMOS
is available from
Europress Software
0625 859333

Block Buster may not offer anything in the way of originality, but it serves as a very good demonstration of just precisely what can be achieved with *Easy AMOS*.



gamesplayer should be able to master it in no time at all. A brave claim perhaps, but it seems this is exactly what Europress have managed to achieve.

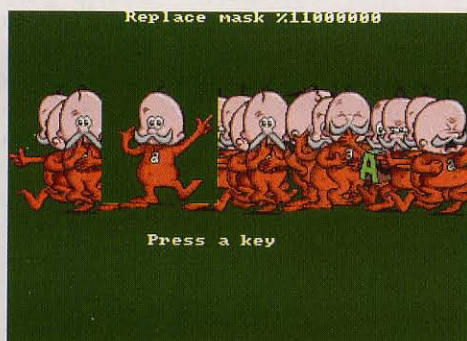
The very heart of *Easy AMOS* is the interpreter, which is fairly derivative of the original *AMOS* interpreter, but it has been spruced up for those who have very low boredom thresholds. Very much like the real thing, the interpreter screen is split into two parts. At the top of the screen are a set of 10 gadgets which can be accessed either by clicking on them with the mouse, or by pressing the appropriate function keys. If you press either the Control, Left Shift or Left Alt keys, these gadgets

change giving you access to even more of the commonly-used functions.

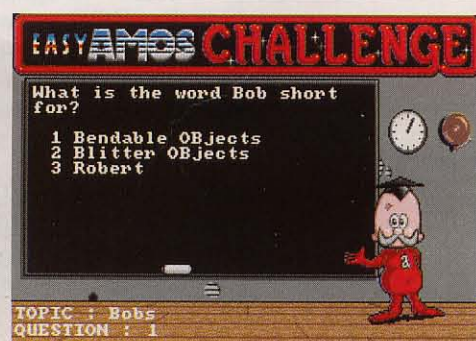
Below this strip of gadgets is the source code editor screen which is basically a word processor that has been designed specifically for entering in *Easy AMOS* programs. Just like a word processor, the *Easy AMOS* editor lets you enter lines of code, insert new lines, mark out sections of code and then cut, copy and paste them anywhere you want within the body of your source code. Unlike *AMOS* though, *Easy AMOS* only allows you to work on one program at any one time. I cannot, however see this worrying beginners particularly. Experienced programmers would probably find this rather restricting, but then



Easy AMOS has a directory utility which allows you to access files without using the CLI.



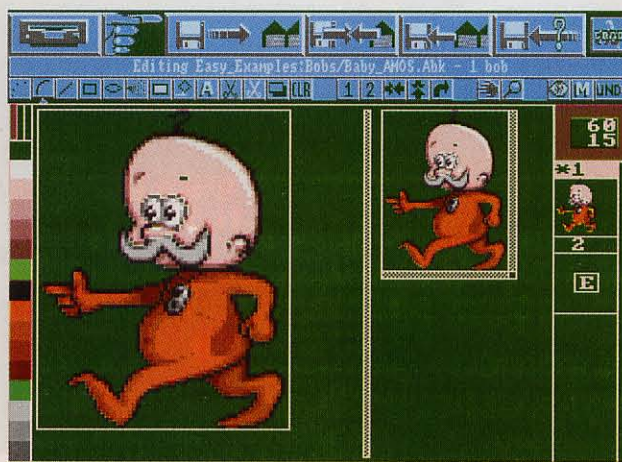
Easy AMOS includes a vast range of demonstration programs that are tied-in closely with the manual.



To ensure that you've grasped each chapter of the manual, the package comes complete with a quiz program.



EASY AMOS MADE EASY



Getting huge Bobs moving around the screen is simplicity itself with *Easy AMOS*. Once the interpreter is loaded, select Bob Editor from the icon strip and the *Easy AMOS* Bob Editor will appear. Draw your bob and then save it off to disk.



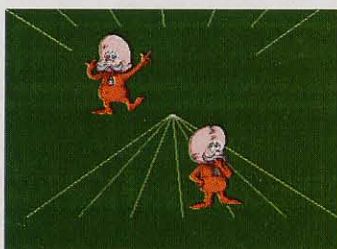
Returning to the interpreter, just a few lines of code are all that is needed to load, display and then move your Bob around the screen. If only assembly language was only this easy!



view in the top left-hand corner of the tutor screen.



to-load 'bank'. Once again, all that is needed to get the sounds to play within your programs are just a couple of lines of code!



If you're not quite sure what each line of your program actually does, then the *Easy AMOS* tutor will let you step through your program line by line, with the output from each line being displayed in the reduced

Once that section of code is working fine, how about adding some sampled sound effects? With the *Easy AMOS* Sample Bank Maker, whole collections of sampled sounds can be grouped together in one easy-

Already we have the makings of a fine *Easy AMOS* demo. Now you can start to add a few more effects including Sound Tracker music, a scrolling message and perhaps even a few more Bobs...

respectively. None of the games are particularly astounding, but Europress have put plenty of effort into making the source code for these three games as readable as possible with nearly every line commented in some way. These in themselves should prove to be great learning material for all of you would-be games programmers.

Unlike the original *AMOS*, *Easy AMOS* won't run from the disks that are supplied with the package. In an attempt to save beginners from all the heart-ache of accidentally formatting the wrong disks when making a backup copy, *Easy AMOS* must first of all be installed onto either a separate set of floppy disks or onto a hard drive. Apart from the occasional disk swap, installation is more or less completely handled by the *Easy AMOS* installation program which assumes virtually no prior knowledge from the user.

One of the most important aspects of *Easy AMOS* is its manual; a thick 424-page affair written by the veteran computer writer Mel Croucher. The *Easy AMOS* manual consists almost entirely of tutorials that guide the user through the *Easy AMOS* command set. This, combined with the comprehensive selection of on-disk example programs makes the *Easy AMOS* manual more of a programming course than a reference guide. Most programming language manuals are rather unreadable to say the least, but Mel Croucher has done an absolutely wonderful job, which has resulted in a manual that is not only very easy to read, but also manages to hold the reader's attention chapter after chapter.

The *Easy AMOS* command set is virtually the same as that to be found within its big brother, but several features have been removed to keep things as simple as possible. All the usual program control structures that you'd expect to find in a modern programming language are there in abundance including IF...THEN, DO...LOOP, Procedures etc. Indeed, about the only BASIC structure that isn't there is the very useful CASE structure, although Europress assure me that this may well be included in a future release.

What really makes a language like *AMOS* special, though, isn't its comprehensive coverage of generic BASIC commands, but the level of control that it gives even novice programmers over the Amiga hardware. Thankfully *Easy AMOS* is equally well endowed as its big brother in many key areas. Some aspects of *AMOS*' extensive command set have been removed though, including its powerful interrupt-driven animation language AMAL. AMAL was undoubtedly very powerful, but writing AMAL programs was one task that was assured to reduce even experienced programmers to tears, so it's hardly surprising that it has been removed from *Easy AMOS*.

What *Easy AMOS* does do though, it does very well indeed. There are all the usual *AMOS* commands for handling Bobs (*Easy AMOS* can't handle sprites), interrupt driven music (including direct support for *SoundTracker* modules – something that has only recently been added to *AMOS*!), copper

Continued overleaf

it's important to remember that *Easy AMOS* is aimed at beginners anyway.

One feature of *Easy AMOS*, which is certainly a vast improvement over *AMOS*, is its file requester. It has been totally rewritten while having beginners in mind. Not only is it now more colourful, but it also includes a few extra functions which are quite unique to *Easy AMOS*. Existing *AMOS* users shouldn't fret though – Europress have assured us that many of the improvements to be found within *Easy AMOS* will eventually make their way across into *AMOS*.

Easy AMOS arrives on two disks – one of them contains the *Easy AMOS* interpreter and associated files while the other contains three demo games and a wide selection of example programs which are tied-in closely with the manual. The demo games that are included with *Easy AMOS* are surprisingly good and are actually quite playable when compared to the rather naff offerings given away with *AMOS*. What's more, all three are heavily commented, making it easy to work out how each one works.

The first game is a *Breakout* clone which does nothing to encourage originality, but acts as an ideal starting point for anyone wanting to learn games programming. The two other demo games are *Tricycle Ball* and *Tricycle Run*; which is a *Kick-Off* derivative and a traditional *Track & Field*-like joystick waggler

generated rainbow effects and smooth full-screen scrolling. What's more, Europress have been able to learn from their mistakes, so many of the commands that are common to both languages have been improved within *Easy AMOS*.

One unique and very powerful feature of *Easy AMOS* that is sure to turn *AMOS* users absolutely green with envy is *Easy AMOS'* new Tutor, an interesting tool that allows you to examine the workings of *Easy AMOS* programs without having to halt program execution. Just like a symbolic debugger, the *Easy AMOS* tutor allows you to single-step through code monitoring each instruction and its effect on the Amiga.

The top left-hand quarter of the tutor screen is used to display a reduced representation of the graphic output of your program. As you single step through your code, this view is updated accordingly showing both animation and even scrolling. Screen update is obviously a little slower and animations tend to flicker rather a lot when running programs under the tutor, but the advantages of the tutor far outweigh this rather minor problem.

In the right hand corner of the tutor screen are a set of gadgets which give you control over program flow. The tutor allows you to run through your code in three modes – single step, slow or full pelt. Both single step and slow use the reduced view to show output, but full pelt simply transfers control back to the *Easy AMOS* interpreter closing the tutor screen in the process.

The tutor is really nothing more than a stand back and watch sort of affair, but it's a very good idea nonetheless. Trying to suss out somebody else's code is bad enough even when that code just happens to be heavily commented, but the tutor makes this surprisingly fun in a noisy sort of way. It's absolutely wonderful to be able to scan through code and see immediately what it actually does.

To all intents and purposes, *Easy AMOS* is really not that different from its big brother *AMOS*, but what makes it such an attractive proposition for non-techie types is its blindingly obvious ease of use. The key to this is not the *Easy AMOS* interpreter itself, but the clever way that Europress have managed to tie together a very well-written manual and example programs with the interpreter. On its own, programming in *Easy AMOS* would still not be that easy, but the almost exclusively tutorial-based manual is so well written that even a complete numbskull should find it easy enough to follow.

Even if there is one particular aspect of *Easy AMOS* that still confuses you, then you can easily skip to another tutorial and return to the section that confuses you at a later date. And, thanks to some heavily commented source code examples bundled with the package, you can play around with these examples until you feel confident enough to move onto something new.

I'm still not convinced that everyone will benefit from *Easy AMOS'* approach, but I'm quite sure that many users that would have



If you've ever wanted to write your own joystick waggler, then *Tricycle Race* will show you how it's done.

Modelled around Anco's *Kick Off*, *Tricycle Ball* boasts three-way scrolling.

UPGRADE INFO

Once you've worked your way through *Easy AMOS*, Europress are offering a very generous upgrade path that will allow would-be programmers to move up to *AMOS* for just £19.95. Just send back your original *Easy AMOS* program disk and a cheque and you'll have *AMOS* for £30 cheaper than its recommended price!

Similarly, all you frustrated *AMOS* users that would like to try their hand at *Easy AMOS* can get their hands on the package for just £14.95. Once again, send back your *AMOS* program disk with a cheque and Europress will be more than happy to dispatch a copy of *Easy AMOS* to you.

UTILITIES UNLIMITED

Easy AMOS comes complete with a wide selection of utilities that take the drudgery out of programming. Here's a run down of what's on offer.

BOB EDITOR – *Easy AMOS* doesn't support sprites, so its Bob Editor has been written solely for the task of producing Bobs. It supports all the usual screen resolutions including low and high resolution with a maximum of 64 colours when running in EHB (Extra HalfBrite) mode.

Absolutely huge Bobs, that are the size of a low resolution screen, can be created from scratch using the editor's built in drawing tools or you can load in an IFF image and then 'cut' out any section of the image for use as a Bob. Once you've got a few bobs defined, you can then bring them to life using the editor's superb animation facility.

What makes the *Easy AMOS* Bob Editor so special though is not the facilities that it offers, but its blindingly obvious ease of use. It's a very polished affair that absolutely oozes professionalism, something that was undoubtedly lacking from *AMOS'* Bob Editor. Some existing *AMOS* users will probably want to buy *Easy AMOS* for this program alone!

SAMPLE BANK MAKER – Pulling together a bank of sampled sounds was no easy task in *AMOS*, but *Easy AMOS* users have been spoiled rotten with this very handy utility. Just like the *AMOS* Sample Bank maker, you can load samples into memory and then organize them into order within a bank. This bank can then be saved out to disk for use with *Easy AMOS*, allowing a large number of samples to be loaded in one operation.

One very nice feature of the *Easy AMOS* Sample Bank Maker is the level of control it gives over samples. Built into the program is a sort of mini-*AudioMaster* sample editor which can be used to fine tune any sample. Once again, *AMOS* users would love this little baby!

DISK EDITOR – Because *Easy AMOS* is aimed at the kind of complete beginner that wouldn't know a disk from a beer mat, *Easy AMOS* even comes complete with a SID-like directory utility that allows you to carry out such complex DOS-related operations as formatting disks, copying, renaming and deleting files etc. It's not quite in the same league as *Directory Opus*, but it's a nice addition nonetheless.

found *AMOS* too difficult to master, will feel right at home with this version.

No one could honestly claim that a package like this will turn a beginner into the next Andrew Braybrook or Jez San, but *Easy AMOS* is certainly a step in the right direction. What *Easy AMOS* does provide are some very solid foundations that any budding programmer can build upon. After all, although you may be a beginner when you first start with *Easy AMOS*, if you work through all the tutorials in the manual, and you fully understand what they are trying to get across, you'll already be a fairly accomplished programmer in your own right!

Easy AMOS is a very brave attempt to teach to the computer illiterate the wonders of Amiga programming. And it would seem that this is exactly what Europress have managed to achieve. If you are the kind of person that has tried to learn to program before, but have always managed to fail quite miserably, then *Easy AMOS* could well be the answer to all your dreams. Dream on.

Easy AMOS

SPEED ●●●●
Every single aspect of *Easy AMOS* is highly polished and very smooth in operation.

DOCUMENTATION ●●●●
I've never before awarded a five for a manual, but *Easy AMOS* is worthy of this accolade!

ACCESSIBILITY ●●●●
After about half-an-hour with *Easy AMOS*, you'll know enough to produce your own mini-demo!

FEATURES ●●●
Not quite as comprehensive as *AMOS*, but it is still a very well endowed language.

VALUE ●●●●
£35 doesn't buy much these days, so at that price it's a real bargain!



92%

DO NOT ORDER FROM US IF YOU WANT LOW QUALITY 3.5" DISKS

Do other companies offer these features?

- ★ Lifetime guarantee
- ★ Certified error free
- ★ Individually pin numbered
- ★ Disks individually sleeved
- ★ High quality Japanese media
- ★ All disks supplied with labels

SPECIAL OFFERS THIS MONTH

25 DS/DD	£11.99	or with 100 capacity lockable box	£16.99
50 DS/DD	£21.99	or with 100 capacity lockable box	£26.99
100 DS/DD	£37.99	or with 100 capacity lockable box	£41.99
200 DS/DD	£72.99	or with 100 capacity lockable box	£76.99
50 TDK DS/DD	£33.99	or with 100 capacity lockable box	£37.99
80 DS/DD	£31.99	or with 1 Banx 90 stackable box	£39.99
	250 lockable/stackable 5.25" or 3.5" storage box		£24.99

TDK 3.5" DS/DD BRANDED

10	£7.99
20	£14.99
30	£20.99
40	£27.99
50	£33.99
100	£65.99
200	£125.99

3.5" PANASONIC BULK DISKS Including labels

10-50	40p each
51-100	38p each
101-200	37p each
201-400	35p each
401-800	34p each
800+	33p each

1 Banx stackable box	£9.99
2 Banx stackable box	£18.99
3 Banx stackable box	£26.99
5 Banx stackable box	£41.99
Mouse mat (thick)	£2.99
Monitor cover	£6.99
Disk labels 200	£3.99
50 3.5" DS/HD	£33.99

100 capacity lockable box	£8.99
80 capacity lockable box	£7.99
40 capacity lockable box	£5.99
Printer stand	£6.99
Disk head cleaner	£2.99
Keyboard dust cover	£4.99
Coloured disk labels 500	£7.99
100 3.5" DS/HD	£62.99

All our prices include VAT, post and packing in U.K. With regret we do not accept overseas orders below £150

TO ORDER By Post send cheque/P.O.

To: **SOFT EXCHANGE**
101 Clifton Road,
South Norwood,
London SE25 6QA

By Phone

081 653 9094
24 hours orderline

Access/Visa accepted

Send a large S.A.E. for our new software and accessories catalogue



Only
£34.95
incl P&P

AMIGA CONSOLE UNIT

Monitor console and keyboard unit • Second drive space • No hard drive restrictions • Power supply or modulator space • Keeps cables tidy • Non-magnetic aluminium • High quality texture finish • Plenty of ventilation • Installed in minutes • Designed specifically for the A500 and 500+ • Colour co-ordinated

A real space saver! - 100's of satisfied customers

KONTAX COMPUTERS

11a Waldeck House Waldeck Road, Maidenhead SL6 8BR



0628 773212



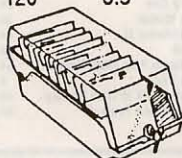
Phone lines manned between 8.00am - 9pm (No ansaphone!)



BULK DISKS

DISKBOXES

	3.5 DS/DD	Capacity	Size	
25	10.99	40	3.5	3.99
50	20.50	80	3.5	4.99
100	36.99	120	3.5	6.49
250	84.99			
500	164.99			
1000	317.99			



* OUR DISKS ARE FULLY GUARANTEED AND ARE COMPLETE WITH LABELS.

>>> SPECIAL <<<

120 Capacity Box & 100
3.5 DS/DD Disks **£42.49**

PAPER - TOP QUALITY

		1000	2000
Fanfold with Micro Perfs.		7.99	13.99
11x9.5	60gsm	7.99	13.99
11.66x9.25(A4)	70gsm	10.49	18.49
11.66x9.25(A4)	80gsm	11.99	20.49
11.66x9.25(A4)	90gsm	13.99	23.99



**SNAP
COMPUTER
SUPPLIES LTD**



HOTLINE

0703 457111

Fax: 0703 457222

RIBBONS - POST FREE

Top Quality compatible brands

	2 off	4 off
Citizen 120D/LSP10/124D Swift 24	2.50	2.30
Citizen Swift 24 Colour		15.00 ea
Epson FX/MX/RX80/FX800/LX800	3.20	3.00
Epson LX80/86	2.00	1.80
Mannesman Tally	3.50	3.20
Panasonic KXP 108Q/81/82/1123	2.90	2.70
Panasonic KXP 1124/1140 2.60	2.60	2.40
Star LC10 Mono	2.80	2.60
Star LC10-4 Colour	5.90	5.70
Star LC24-10	2.80	2.60
Star LC24-10 Colour		12.50 ea
Star LC200	3.20	3.00
Star LC200 Colour		11.50 ea
Star LC24-200	2.80	2.60
Star LC24-200 Colour		12.50 ea

ACCESSORIES - POST FREE

Amiga External Drive	54.99
Amiga 512k Upgrade, Clock	23.99
Amiga 512k Upgrade, No Clock	21.99
Mouse Mat	2.99
Mouse Holder	2.99
2 Piece Universal Printer Stand	6.99
3.5 Disk Clean Kit	2.99
Roll 1000 3.5 Disk Labels	8.99

SNAP COMPUTER SUPPLIES Ltd.

Unit 16, The Sidings, Hound Rd, Netley Abbey, Southampton. SO3 5QA

All products are subject to availability - All prices include VAT. Please add £2.99 P & P for disks & boxes, £3.99 for paper. E.&O.E.

POST HASTE

ALL PRICES INCLUDE VAT & DELIVERY TO YOUR DOOR

Select any 3 titles valued £7.99 or less and you pay only £20

SOFTWARE

Some of the following games titles are limited offers at the time of going to press. Order early to avoid disappointment. We stock all the latest and currently available titles which we offer at **30% OFF** Recommended Retail Prices

GAMES

Afterburner	6.99
Altered Beast	6.99
Anarchy	6.99
Armalyte	7.99
Armour Geddon	9.99
Awesome	9.99
Barbarian (Palace)	6.99
Batman the Movie	6.99
Battle Squadron	7.99
Betrayal	9.99
Beverley Hills Cop	6.99
Blitzkrieg (1 Mb)	12.99
Blood Money	7.99
Bubble Bobble	6.99
Budokan	6.99
Cabal	6.99
Carrier Command	7.99
Chase HQ	6.99
Chuckie Egg	7.99
Chuckie Egg II	7.99
Colossus Chess X	6.99
Combo Racer	6.99
Conqueror	6.99
Daily Double Horse Racing	6.99
Deluxe Strip Poker	6.99
Double Dragon	7.99
Double Dragon II	7.99
Dragon Ninja	7.99
Dragons of Flame	7.99
Enchanter	7.99
Eswat	7.99
F18 Combat Pilot	7.99
FA-18 Interceptor	8.99
Fantasy World Dizzy	6.99
Fast Food Dizzy	4.99
Fernandez Must Die	7.99
Fire & Brimstone	7.99
Footballer of the Year II	6.99
Full Contact	7.99
Gauntlet II	6.99
Ghostbusters II	6.99
Ghouls 'n' Ghosts	6.99
Gremkins 2	7.99
Head Over Heels	6.99
High Energy (Compilation)	12.99
Hitchhikers Guide to the Galaxy	6.99
Hong Kong Phooey	6.99
Immortal	6.99
Imposamole	6.99
Indy Jones+Last Crusade Action	6.99
International Karate +	6.99
Italia 90	7.99
James Pond	6.99
Jockey Wilson Darts	4.99
Jet (Sublogic)	8.99
Jet Set Willy II	7.99
Jetsons	9.99
Keep the Thief	7.99
Kick Off II	6.99
Kick Off II Europe	6.99
Kick Off II Giants of Europe	6.99
Killing Game Show	9.99
Klax	6.99

WINNING FIVE

Iron Lord,
Night Hunter,
Sir Fred,
Twin o World
Puffy's Saga

Value at only £9.99 the Lot!

Last Ninja II	6.99
Leather Goddesses of Phobos	7.99
Line of Fire	7.99
Lombard RAC Rally	6.99
Lotus Esprit Turbo Challenge	6.99
Magic Fly	7.99
Manchester United	7.99
Manic Miner	7.99
Menace	7.99
Midnight Resistance	6.99
Mighty Bombjack	7.99
Moonwalker	6.99
New Zealand Story	6.99
Nightbreed (Action Game)	4.99
Ninja Rabbit	5.99
Ninja Warriors	7.99
Nitro	7.99

HIGH ENERGY
NORTH & SOUTH
HOSTAGES
TEENAGE QUEEN
TINTIN ON THE MOON
FIRE & FORGET
SUPERB ACTION FOR
ONLY £12.99

North & South	6.99
Obitrus	9.99
Operation Thunderbolt	6.99
Pacland	7.99
Pacmania	7.99
Pick 'n' Pile	7.99
Planetfall	7.99
Populous	8.99
Populous Promised Lands	4.99
Power Drift	6.99
Predator	6.99
Puzznic	7.99
Quest of Agravain	6.99
R-Type	6.99
Rainbow Islands	6.99
Rambo III	6.99
Rick Dangerous	6.99
Roadblasters	6.99
Robocop	6.99
Ruff 'n' Ready	6.99
Scrabble	6.99
Scrabble 2	6.99
Shadow of the Beast	6.99
Shinobi	6.99
Shoot'em Up Construction Kit	9.99
Silkworm	6.99
Ski or Die	6.99
Sky High Stuntman	6.99
Speedball 2	6.99
Starfighter II	7.99
Steve Davis Snooker	6.99
Strider II	7.99
Stunt Car Racer	6.99
Super Grand Prix	5.99
Super League Soccer	6.99
Super Scramble Simulator	6.99
Swir	6.99
Terrapods	4.99
Thunderblade	6.99
Titanic Blinky	6.99
Top Cat	6.99
Toyota Celica GT Rally	6.99
Treasure Island Dizzy	4.99
Turbo Outrun	6.99
Turrican II	6.99
Ultimate Ride	7.99
Universal Military Simulator 1	9.99
Untouchables	6.99
Venus the Flytrap	6.99
WarZone	7.99
White Death (1 Mb)	12.99
Wings (1mb)	9.99
Winning Five (Compilation)	9.99
Winning Tactics	6.99
Wishbringer	6.99
Wolfpack	6.99
World Class Leaderboard	6.99
World Cricket	6.99
Xenon	6.99
Yogi's Great Escape	6.99
Yolanda	7.99
Z-Out	7.99
Zork, Zork II or Zork III	7.99

EDUCATIONAL

Answerback Junior	14.49
Answerback Senior	13.99
Arithmetic (Answerback facts)	7.49
Ass. Football (Answerback facts)	7.49
Spelling (Answerback facts)	7.49
Better Maths (12-16)	16.49
Better Spelling (over 8)	16.49
Cave Maze	16.99
Count and Add	16.99
Data World	13.99
Distant Suns (Astronomy)	42.99
Deep sky Objects	14.99
Skymap Expansion	14.99
First letters (Under 5)	6.99
Fun School 2 (2-6, 6-8, or 8+)	13.99
Fun School 3 (2-5, 5-7, or 7+)	16.99
Fun School 4 (2-5, 5-7, or 7+)	16.99
Game Set and Match	13.99
Henrietta's Book of Spells	16.99
Hoorey for Henrietta (5-12)	16.99
Kid's Type	16.99
Lets Spell at Home	13.99
Lets Spell at the Shops	13.99
Lets Spell Out and About	13.99
Magic Maths (4-8)	16.49
Magic Storybook (1 Mb)	16.99
Match Pairs	7.99
Maths Adventure	16.99
Maths Dragon	16.99
Maths Mania (over 8)	16.49
Mavis Beacon Teaches Typing	16.99

SERIOUS

VIDEO & MULTIMEDIA	
Photon Video (Cel Animator)	7.99
Deluxe Video III	59.99
Aegis Animagic	59.99
Broadcast Titrer 2	174.99
Broadcast Titrer Font Pack	99.99
Broadcast Titrer Font Maker	99.99
AmigaVision	89.99
Showmaker	239.99
Cando	110.99
Cando ProPak	27.99
Hyperbook	49.99
Scala	174.99
Scala 500	74.99
Director II	79.99
TV Text Professional	89.99
TV Show 2	49.99
Videolifter 1.5 3D	69.99
WORDPROCESSING	
Scribble Platinum	29.99
Interword	39.99
Final Copy	59.99
Penpal	59.99
Excellence 2	59.99
Protext 4.2	69.99
Protext 5.5	99.99
ProWrite 3.1	99.99

BE AMONG THE FIRST TO PLAY !!! PRE-BOOKED SOFTWARE

We accept advanced orders for all forthcoming software titles and your order will be despatched on the day of release. Your credit card will be debited also on the same day as despatch !!!

TOP TITLES SPECIALS

Lotus Turbo Esprit 2, Terminator 2, Lemmings, Robocop, Simpsons, Leander, Another World, WWF Wrestling, Monkey Island, PGA Tour Golf, Gauntlet 3, Rodland, Hero Quest, Epic.....**£16.99 EACH**

Jimmy White's Snooker, Realms, Thunderhawk, Mega-Lo-Mania, Knightmare, Populous II, Battle Isle, Moonstone, Utopia, Monkey Island II, John Madden Football.....**£19.99 EACH**

Knights of the Sky, Flight of the Intruder, F-15 Strike Eagle II, Silent Service II, Heart of China, Red Baron, Microprose Grand Prix, Flight Sim II, Space Ace II, Willy Beamish, Heimdal.....**£22.99 EACH**

Mega Maths	17.99
Mickes Crossword Puzzle	17.49
Micro English	17.99
Micro French	17.99
Micro Maths	17.99

Compendium SIX
Kids Type
Weather Watcher
What is it Where is it?
Calendar Quiz
Words & Numbers
Game, Set & Match
Only £29.99

Word Perfect 4.1	159.99
Word Perfect Library	79.99
Wordworth	89.99
SPEADSHEET	
ProCalc	149.99
Advantage	79.99
DG Calc	28.99
DATABASES	
Infollie	34.99
Superbase Personal 2	69.99
Superbase Professional 4	199.99
INTEGRATED (WP/PS/DB)	
The Works Platinum	59.99
Gold Disk Office	109.99

PageStream	149.99
Pagesetter 2.0	52.99
Pro Page 1.3	99.99
Pro Page 2.1	99.99
Pro Draw 2	99.99
Outline Fonts	99.99
Gold Disk Fonts 1-4	34.99
Structured Clip art	39.99
Eclips	79.99
Proclips	17.99
Pro Vector	159.99
Designworks	79.99
Deluxe Print II	34.99

CAD

X-CAD 3D	299.99
X-CAD Professional	149.99
Aegis Draw 2000	99.99
ACCOUNTS	
Home Accounts 2	39.99
Cashbook/Final Accounts	44.99
Personal Tax Planner	29.99
Personal Finance Manager	21.99
Small Business Accnts Cash	59.99
Small Business Accnts Xtra	79.99
GRAPHICS	
Deluxe Paint IV	59.99
Deluxe Paint 3	29.99
Deluxe Photolab	34.99
Spectracolor	57.99
Disney Animation Studio	74.99
Real Things Birds	20.49
Real Things Humans	20.49
Real Things Horses	20.49
Real Things Sea Life	20.49
Real Things Safari	20.49
Profills	24.99
Pixmate	37.99
Butcher	27.99
The Art Department	49.99
The Art Department Pro 2.00	134.99
Kara Anim Fonts 1, 2 or 3	29.99
Kara Fonts Headlines 1 or 2	49.99
Kara Fonts Sub Headlines	44.99

3D MODELLING & RENDERING

3D Construction Kit	32.99
4D Professional	189.99
Sculpt 3DXL	84.99
Sculpt Animate 4D	199.99
Vista Professional	69.99
Scenery Generator	32.99
Scenery Animator	50.99
Imagine	149.99
3D Professional	349.99
Real 3D Beginners 1.4	119.99
Real 3D Professional/Turbo 1.4	299.99

PROGRAMMING

AMOS	32.99
AMOS Compiler	32.99
AMOS 3D	23.49
Devpac 3	49.99
Hisoft Basic	57.99
Hisoft Basic Extend	14.49
Hisoft Pascal	74.99

MUSIC

Stereo Master	29.99
Deluxe Music Const. Set	49.99
Music X Jnr	19.99
Quarter	35.99
Master sound sampler	29.99
Audio Engineer Sound Sampler	179.99
Bars & Pipes Professional	174.99
Bars & Pipes Int. Sound Kit	49.99
Bars & Pipes Music Box A	49.99
Bars & Pipes Music Box B	49.99
SuperJam	74.99

MISCELLANEOUS

AREXX	32.99
BAD Disk Optimiser	34.99
Cross Dos 4	29.99
Dos 2 Dos	39.99
Disk Master	39.99
Disk Master II	44.99
Faccll	24.99
GB Route Plus (New Version)	54.99
Icon Paint	8.99
Quarterback H/ Disk Backup	49.99
Quarterback Tools	59.99

HARDWARE

Amiga 500 Basic (1.3)	289
A500 Plus Cartoon Classics	359
A500 Class of 90's Pack	469
A1500 Including Monitor	749
A1500 No Monitor	549
A2000 40Mb H/Disk	899
A3000	POA
CDTV	469
10% OFF 211 CDTV software	
A590 20Mb Hard Drive	279
A590 20Mb H/Drive+2Mb RAM	339
GVP A500 52Mb+8MbRAM(OK)	379
GVP A500 105Mb+8MbRAM(OK)	569
GVP SCSI Controller+8Mb(OK)	159
GVP SCSI 52Mb+8MbRAM(OK)	289
GVP SCSI 105Mb+8MbRAM(OK)	479
GVP SCSI 200Mb+8MbRAM(OK)	849
45Mb to 520Mb Bare hard disks	POA
44Mb Syquest Removable H/Disk	389
Cumana 3.5" External Drive	55
Zydec 3.5" External Drive	51
RF 5.25" External Drive	99
A500 3.5" Internal Drive	49
CBM 3.5" Internal Floppy Drive	119
A500 512k Ram Upgrade(no clock)	25
A500 512k Ram Expansion+clock	29
1.5 Mb Ram Expansion	79
Supra 500RX 8Mb RAM (2Mb Pop)	149
Supra 500RX 8Mb RAM (4Mb Pop)	219
Supra 500RX 8Mb RAM (8Mb Pop)	339
A2000/1500 8Mb Ramcard	189
256Kx4 RAM chips per Mb	35
1Mbx1 DRAM chips per Mb	35
AT-Once PC 286 Emulator	179
Colour Solution(Vidi-RGBSplit)	159
Sharp JX100 A6 Col. Scanner	549
Zydec Hand Scanner	99
Genitizer Graphics Tablet	129
Zydec Microswitched Mouse	17
Naksha Mouse+Operation Stealth	22.99
Mouse Mat	4
50 Blank Disks	25

MONITORS

Philips 8833-II Visto (inc Lead)	219
Philips 8833-II (inc Lead)	239
Commodore 1084s	239
Commodore 1950 Multisync	499

PRINTERS

(Inc. leads-Amiga Printer Drivers)	
Star LC200 Colour	219
Star FR-10 Colour	229
Star LC24-200 Mono	259
Star LC24-200 Colour	299
Starscript Postscript Laser	1099
Citizen Swift 9 Colour	199
Citizen Swift 24e Colour	299
Citizen 224 Colour	259
Canon Bubblejet Portable	249
HP Paintjet Colour Inkjet	825
Panasonic 4420 Laser	849
Panasonic 4420 1Mb Upgrade	199

AMIGA 500 PLUS CARTOON CLASSICS PACK

Latest specification 1Mb RAM, Workbench 2 with enhanced chipset (Up to 2 Mb Chip RAM)
Plus usual Cartoon Classics Software Pack!!!
Only £359

One Meg Upgrade for A500 Plus
Enables 2Mb CHIP RAM.....£49.99

You name it... We do it... Just phone and we'll quote... We are faster and cheaper!

PRICES QUOTED ARE SUBJECT TO AVAILABILITY... SOME OFFERS ARE LIMITED SO ORDER EARLY TO AVOID DISAPPOINTMENT

Cheques/PO Orders to POST HASTE, 11a Burgate Lane, Canterbury, Kent. CT1 2HH

TELEPHONE HOTLINE 0227-764204 9.30am to 7.00pm

(Answerphone outside normal hours)

VISA, MASTERCARD and EUROCARD orders welcome

Visa, Mastercard, Eurocard and PO Orders are despatched same day!

Please allow up to 4 working days for cheques to clear. Overseas orders add £2.00 postage.

MAIL & TELEPHONE ORDERS ONLY... NO PERSONAL CALLERS PLEASE!

VISA

MasterCard

have a SPHINX unit ready. The enemy knows how good they are at stopping aircraft, so they are usually the primary target for the attack. A method to counter this is to place the SPHINX in a corner of a depot or headquarters and place BLITZ units in the surrounding hexes. The enemy will then never be in hex to hex contact with the SPHINX. A similar method can be used to protect the ANGEL heavy artillery from tank attack. The only difference is that you should replace the BLITZ units with SCORPION or GLADIATOR units.

It does not explain in the rule book to any great extent about using MERLIN units to make depots. This is done in the action/attack phase. Do the same as you would to attack if the MERLIN could and, if the geography of the land is suitable, a target hex will appear from the MERLIN. This will be the entrance to the depot when completed. It takes two turns to build the depot, although two MERLIN units can make a depot in one turn. If using one MERLIN you must remember to order it in the next action/attack phase to finish the depot as it does not automatically do so.

The experience system is of no great importance, especially in long, drawn out games, because an experienced unit will always destroy an identical "rookie" unit. The system is based as follows:

If in attack or defence a unit destroys one or more of the enemy in the opposing unit, then they will gain one experience point.

If a unit destroys the last enemy in a particular unit then they will receive an extra bonus of another point, making up a total of two points.

When fighting against units containing only one enemy (even when at full strength such as a BARRACUDA, PEGASUS, FORTRESS or AMAZON), an experience point is gained every time a shot hits it, even if that shot did not destroy it. Two points are gained for the unit that finally destroys it.

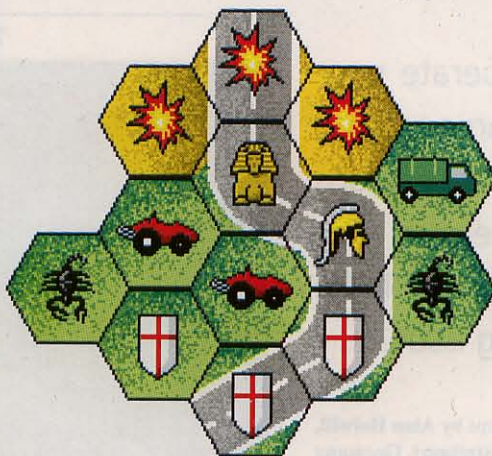
The best land attack formation is to have CRUSADER and GLADIATOR units in the middle of the front line. On the flanks it is useful to have SCORPION units placed, as their high speed makes them useful for surrounding the enemy. Behind the front line, have as many BUSTER units as possible so that they are two hexes from the enemy and the rocket attacks can be made in safety. Behind the BUSTER units (or along side them) have SPHINX, ANGEL and BLITZ units to protect the front line against air attack (the ANGEL units can also bombard the enemy from a distance). At the rear have DEMON units on-board PROVIDER units so that they can rush out and storm a building or retreat in the event of a collapsed line. PROVIDER units carrying DEMON troops should attack or allow to be attacked, since a troop PROVIDER loses all of its on-board troops when destroyed.

If you have a PEGASUS unit, try to launch the aircraft on-board as soon as a battle is likely, since all aircraft that are still on a destroyed carrier will be lost.

STRATEGY MAPS

These diagrams will give you basic ideas on troop and unit formations to deal with certain situations. Refer to the text for more in-depth strategy tips.

Main Battle Line Set-up



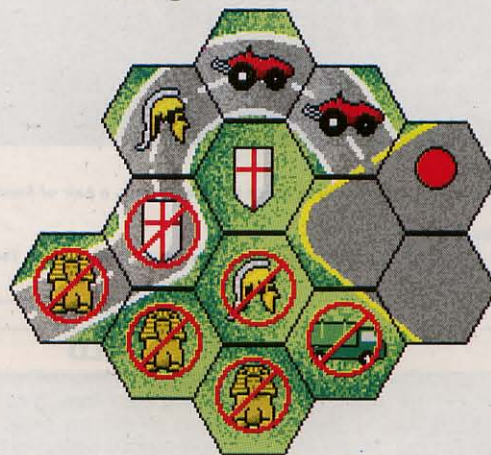
Bridge Tactics



Building Air Defence



Using the FAV Buster



KEY



Crusader

Blitz

Sphinx

Scorpion

Gladiator

Raven

Road

Plain/Woods



Firebird

Mosquito

Buster

Provider



Enemy Unit



Player Depot



Mountains

Water

If you want your Amiga to do more than simply blast the latest batch of alien invaders, this program will enable you to provide graphic presentations of your latest college project, or help prepare a small business' annual report.

Dave Collins is your presenter.

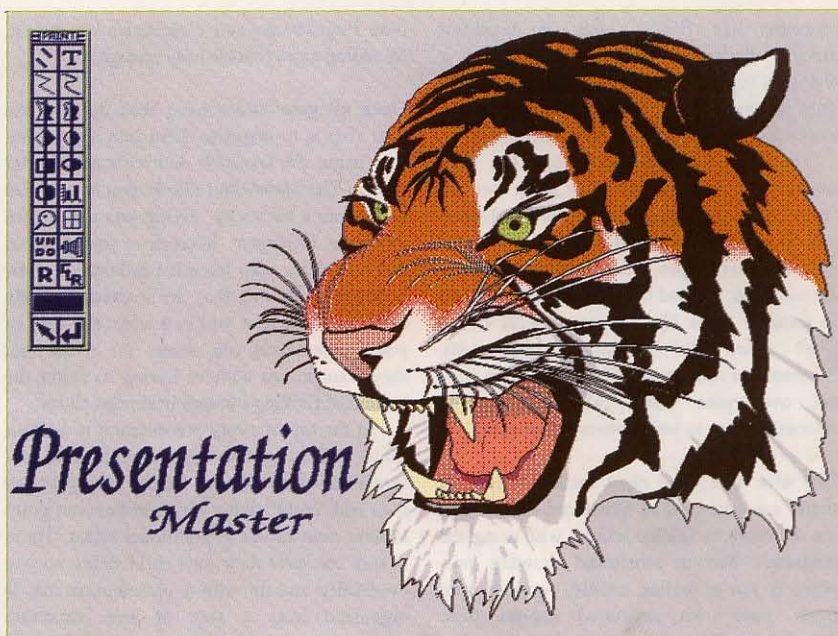
WITH ITS LARGE colour palette and high-screen resolutions, the Amiga is a natural for presentation work. Whether you're producing a slideshow demonstrating African knitting techniques for the next Woman's Guild meeting or a complete interactive training system for would-be nuclear physicist, the Amiga is the ideal vehicle for turning a few good ideas into a working presentation.

Interactive slideshow programs are certainly nothing new, but Oxix Aegis' new *Presentation Master* takes the genre several steps forward. Its uses are diverse. At its simplest level, it can be used to generate simple slideshows comprising of 'slides' (IFF pictures) which can be flicked through automatically by the computer. In the hands of an experienced user though, it can be used to generate highly-complex interactive presentations which steal more than a few tricks from the multimedia ideal. If you've got access to a polaroid palette system, then with *Presentation Master* it's possible to generate complete slides which can be displayed with-out a single Amiga in sight.

Presentation Master has been floating around in beta test form for a number of months, but only now have Oxix finally come up with the goods. I remember seeing a pre-production copy of *Presentation Master* a few months back and even then I was shocked by the number of disks that the package filled (an unbelievable eight!), but Oxix have pushed out the belie count even further and *Presentation Master* now arrives on 13 disks! You'd think that this would be more than enough for any package, but because it's such a huge program many of its associated files have been archived onto the disks.

Despite the fact that the whole package arrives on a massive 13 disks, you'll be pleased to know that you don't need 13 Mbs to be able to run it. Most of the disks contain nothing more than clip art and extra fonts, so they're not essential to *Presentation Master*'s operation. This aside though, its system requirements are still pretty hefty. Even at its simplest level, you will need a machine equipped with at least 2Mb of RAM and a hard drive, and even this isn't really enough to use this package to its optimum (3-4 Mbs is a more realistic setup!).

Presentation Master's structured drawing module allows you to design high-quality images or port in clip art in EPSF format.



Presentation Master

Presentation Creation System ■

£140.99 ■ Oxix Aegis

PRESENTATION MASTER is available from Precision Software 0753 557888

The most basic element within a *Presentation Master* presentation is the slide. These come in three basic flavours; one for displaying pictures or animations, another for putting blanks into your presentation, but the real workhorse of the entire system is the layered slide. Layered Slides can be used to present your information in a variety of different formats, all of which can be generated using *Presentation Master's* powerful slide construction tools.

Whole families of layered slides can be defined and used as a uniformed foundation for new slides by creating what is called a 'slide template'. A slide template contains all the basic information about each slide type such as its background image and the position of such things as the slide title etc. Slide templates are particularly useful if you need to use

images or text over and over again (a company logo, for example).

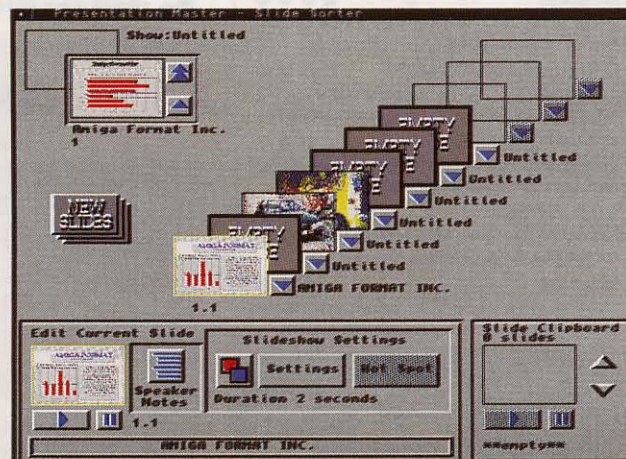
Creating a new slide is a little like using a desktop publishing package. Before you start adding things like text and graphs to your slide, you must first create a content layer (a box basically) that will be used to hold some text or an image just like you would in a program like ProPage. Once again templates can save you loads of time here because boxes for more common elements such as the slide title can be defined as part of the template, allowing you to get started as soon as the template has been loaded.

Content layers can hold a number of different types of information ranging from basic text to IFF images and even graphs (more on these later though!). If you're entering a line of text, all you have to do is to define the font (any standard Amiga bitmapped font can be used), its point size, style and colour and then type away. Once you've typed in your text, in true DTP style you can pick up the box that contains the text and move it around, resize it and so on. *Presentation Master* will automatically reformat any text within the box if the width of the box shrinks below its original size.

Graphs can also be created quite easily within *Presentation Master*. Once you've created a box to contain the graph, a single click on the graph gadget brings up a screen that bears more than a striking resemblance to a conventional spreadsheet. Don't expect this to handle the kind of number crunching applications that

Continued overleaf

The SlideSorter screen is used to organize the slides that you have created into a hierarchical presentation.



programs like *ProCalc* eat for breakfast though – *Presentation Master's* spreadsheet is restricted to entering values only, so you may want to use a real spreadsheet first if you're working with complex lists of numbers.

Once all your spreadsheet data has been entered, all that remains is to mark out the range to be graphed and *Presentation Master* will do the rest. As you'd expect, a variety of different chart types are supported including the usual bar, pie and line charts plus a few not so familiar types like the very useful Gantt chart (used for project management). *Presentation Master* gives you extensive control over your charts, allowing you to customise them to your own requirements.

One nice aspect the chart facility is that its charts are generated as structured objects and can therefore be fiddled around with using the program's built-in structured drawing program. If you're feeling artistic, you can even create your own structured images from scratch or pull in any one of a wide selection of demo images provided with the package. *Presentation Master* can read in structured clip art in standard EPSF format, allowing you to easily port your *ProDraw* creations into the program with a minimal amount of hassle.

Using a structured drawing program will come as bit of a culture shock if you've been weaned on pixel-based paint programs like *Deluxe Paint*, but *Presentation Master's* struc-

ture both *PageStream* and *Compugraphic* format, so adding extra fonts is easy enough.

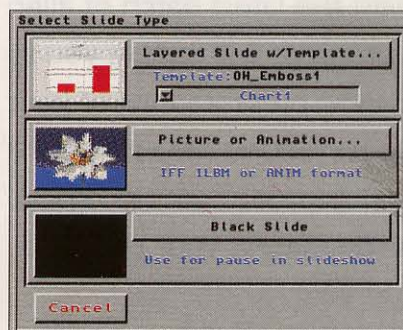
Once all your slides have been defined, the next step is to organize them into a presentation using *Presentation Master's* SlideSorter screen. The SlideSorter allows you to organize slides into a hierarchy, giving you the chance to create intelligent interactive presentations that will allow your intended audience to view only the slides that they are interested in. By defining a hot spot within a slide, the user of your presentation can access the slides that they want to see without having to suffer the tedium of flicking through irrelevant slides.

At the top of every presentation is a 'Root Slide' which could be something like your presentation's title screen. Below this you can then add 'child' slides which in turn can point to their own subset of additional slides. These in turn can have their own child slides, so you eventually end up with a presentation that is organized into a sort of tree structure. Although it sounds a little complicated, you'd be surprised just how easy it is to create some very complex presentations.

It's all too easy to think that *Presentation Master* is nothing more than a tool for creating slides for output to a Polaroid Palette, but the program goes so much further than this quite limited application. If you are using it for slide preparation, then it'll do the job perfectly, but this is only the tip of the iceberg. If you've ever needed to create interactive presentations, point of sales and even complete computer-based teaching systems, *Presentation Master* provides the tools to achieve this in no time.

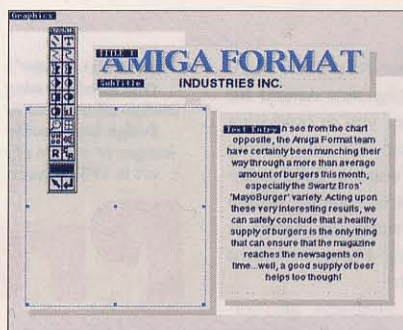
The system requirements for the program are a little over the top and this could well be *Presentation Master's* only stumbling block. It's memory requirements aren't that outrageous (let's face it, RAM expansions are very cheap these days), but to restrict the program to hard disk users only is sure to lose Oxxi more than a few customers. If your system is man enough for the job though, you're unlikely to find a presentation system that even comes close to the power and flexibility that *Presentation Master* provides.

SLIPPERY SLIDES



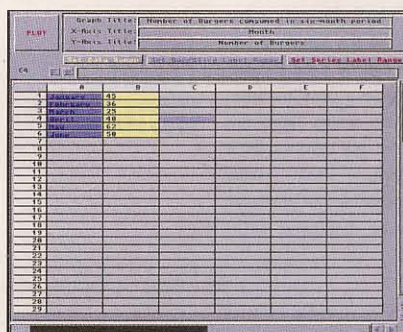
so click on the appropriate gadget and you're away.

To create a new slide, click on the 'New Slide' gadget from the SlideSorter and *Presentation Master* will give you a choice of three slide types. Most of the time you'll be working with layered slides,



If a template family has already been loaded, then you'll be presented with a blank slide containing empty content layers just waiting to be filled. The first thing to do is to add a title

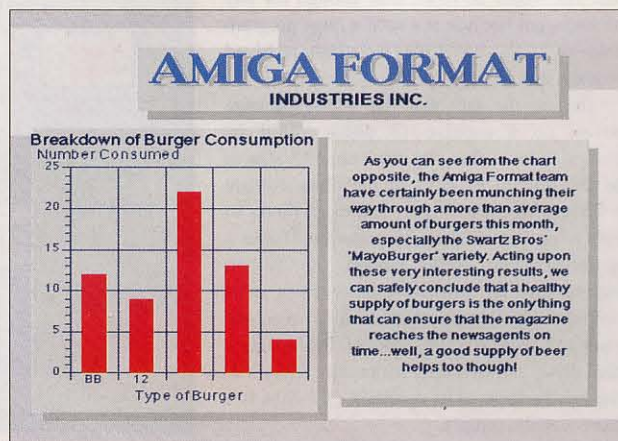
(or heading) to your slide followed by a subtitle. Once this is done, you can then start to work on the more interesting aspects of your slide.



Clicking on a new content layer, it's time to create a chart. This is achieved by clicking on the chart icon from the toolbox strip. You'll then be presented with a spreadsheet-like

screen which is used to enter the data which is to be graphed. Once all the data has been entered, select a range and *Presentation Master* will do the rest.

Then your graph is displayed in all its structured glory. If you're not entirely happy with it, you can select a different type of graph or choose to spruce up the chart you already have.



Presentation Master's PolyFonts can be scaled and distorted with no loss in quality.

ture drawing module is far easier to use than some programs I could mention. Most of its tools are accessed from a floating menu of gadgets that can be picked up and moved around the screen to your heart's content. All the usual structured drawing tools are there in abundance including the usual Bezier curves, filled and outlined ellipses, circles, ellipses and so on. What's more, the speed at which all of these operations are performed is very impressive indeed and could certainly teach *ProDraw* a thing or two!

Presentation Master has another ace tucked up its sleeve in the shape of its PolyFonts facility. Bitmapped fonts are all very nice, but resize them and they become chunky. Just like the *Compugraphic* fonts supported by *ProPage*, *Presentation Master's* PolyFonts can be resized, rotated, distorted and flipped with no loss in quality whatsoever. A wide selection of PolyFonts are included, but for those of you who want more, *Presentation Master* supports outline fonts in

Presentation Master

SPEED

Considering the amount of data that it handles, you'll find it zips along.

DOCUMENTATION

Its huge manual hardly makes for light reading, but it describes the program's operation well.

ACCESSIBILITY

Getting into *Presentation Master* is a pain at first, but you'll soon find it a logical enough.

FEATURES

Packed to the gills with powerful features, it really kicks the competition for six.

VALUE

Not bad value, at £140.99, for an experienced user who needs a flash presentation system.



82%

Micromail YOUR *BEST* PRICE



Amiga 500 Plus Cartoon Classics

Cartoon classics Superdeal I
Amiga 500 plus 1 Mb computer,
featuring: Lemmings
The Simpsons, Captain
planet and Delux paint III
plus: Joystick, A520 Video Adapter,
Mouse mat and Dust cover

£333.95

Cartoon classics Superdeal
Amiga 500 plus 1 Mb computer
Commodore 1084sp1 colour
monitor, featuring: software a
Superdeal 1, plus: Joystick,
10 Hit games, PD Spreadsheets
and Data base, Word processing
10 Disks and additional
Dust cover.

£578.95

Educational Superdeals
Maths mania, Better spelling
Hooray Henrietta and
Text plus.

At a special price of £55.00

When purchased with any
of the **Classic cartoon**
Superdeals.

Monitors

Phillips CM8833 MKII colour	£229.00
Commodore 1084Sd1 colour	£219.00
Commodore 1083Sp1 colour	£219.00
Commodore 1950 M-sync	£586.00



Printers

All printers come with leads	
Star LC20 mono	£149.00
Star LC24-200 mono	£235.00
Star LC24-200 colour	£259.95
Star LC200 9 pin colour	£179.95
Star XB24-200 colour	£355.95
HP Deskjet mono	£323.00
HP Deskjet colour	£583.00
HP Laserjet IIIP	£937.00
HP Laserjet III	£1192.00
HP Paintjet	£540.50



**ALL PRICES INCLUDE
VAT UNLESS
OTHERWISE STATED**

**ALL MAJOR
CREDIT CARDS
ACCEPTED**

Accessories

Amiga 500 Dust cover	£3.99
Monitor Dust cover	£4.99
Star LC24-200 Dust cover	£4.99
Star LC200 Dust cover	£4.99
Monitor stand	£12.99
Printer stand	£7.99
Joystick cable	£5.99
Mouse mat	£3.99
Naksha mouse	£24.99
Squick mouse PC	£17.99
Squick mouse A500	£24.99
Roboswitch	£9.99
Parallel printer lead	£10.99
Commodore A501 RAM	£39.99
Virgo RAM	£29.99
Control centre	£44.95
10 Disk box	£3.99
40 Disk box	£4.99
80 Disk box	£7.99
120 Disk box	£10.99
Rendel genlock	P.O.A

Consumables

Printer paper	£12.99
Disks, 50 unbranded	£20.00
LC200 ribbon mono	£5.50
LC200 ribbon colour	£11.00
LC24-200 ribbon mono	£5.00
LC24-200 ribbon colour	£12.50

Sega

Sega game gear	£89.99
Sega game gear TV tuner	£72.99
Sega master system II	£54.99
Sega mega drive	£119.99



ATARI & IBM
A full range of Atari and IBM
software is available from
our Reading showrooms
on
(0734) 505514

VISIT OUR SHOWROOMS; OPEN MON TO SAT 9-5.30 OR RING

GOVERNMENT-INDUSTRY AND EDUCATIONAL
ORDERS WELCOME.

AMIGA SPECIALISTS

Superdeals

Cartoon classics Superdeal III
Amiga 500 plus 1Mb computer,
Commodore 1084sp1 colour
monitor, Star LC200
colour printer featuring:
software as Superdeal 1,
plus: Joystick, 20 Hit games,
D spreadsheet and Data base,
Word processing and two
additional Dust covers.

£791.95

SUPERDEALS OF THE MONTH

DELUXE PAINT III
AVE. LIST PRICE £79.99
SUPERDEAL PRICE
£15.95

DELUXE MOUSE PAD
AVE. LIST PRICE £3.99
SUPERDEAL PRICE
£1.99

UNIVERSAL PRINTER
STAND AND ANY STAR
PRINTER DUST COVER
AVE. LIST PRICE £12.98
SUPERDEAL PRICE
£7.99

JOIN
MICROMAIL'S NEW
SOFTWARE CLUB AND
SAVE UP TO 40%
ON ALL NEW
SOFTWARE
RELEASES
PHONE NOW
FOR DETAILS



Disk Drives

G.V.P hard drive 52 meg	£379.00
Cumana disk drive	£57.95
Rotec disk drive	£57.95
Roclite disk drive	£59.99



Amiga Software

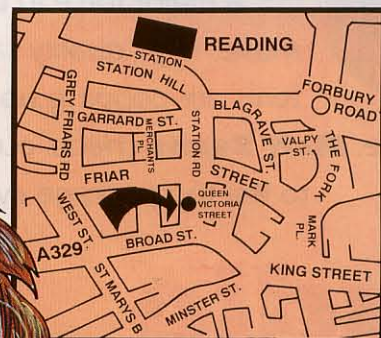
Eye of the Beholder 2	£22.50
Space Crusader	£17.50
Special Forces	£23.50
Shadow Lands	£19.99
Air Support	£17.99
EPIC	£17.50
Agony	£17.50
The Manager	£17.50
Black Crypt	£17.99
Turbo Challenge II	£15.99
A320 Airbus	£23.99
MicroProse Grand Prix	£22.99
Megomania/First Samurai	£20.50
Utopia Data Disk	£10.50
Race Driving	£20.50
Funschool 2	£13.99
Funschool 3	£16.50
Funschool 4	£16.50

Joysticks

Apache 1	£5.99
Python 1.m	£8.99
Jet fighter	£11.99
Superboards	£14.99
Top star	£20.99
Cheetah Bug	£12.50
Comp pro & card	£26.99
... and many others	

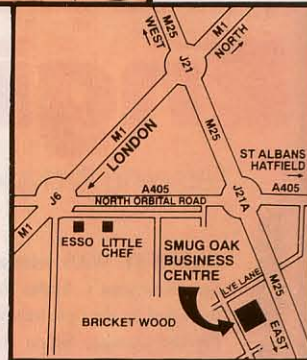


YOUR NEAREST MICROMAIL SHOWROOM



0734
505
514

0923
894
111



How to order

Next day delivery for credit card orders placed before 3.00pm subject to availability. Alternatively send cheque/postal order to Micromail Ltd, Unit 9, Smug Oak Centre, Lye Lane, Bricketwood, St. Albans, AL2 3UG.

Please allow 5 working days for cheque clearance. Subject to availability despatch is normally within 24 hours of receipt of cleared payment.

DELIVERY CHARGES; UK	
Small consumables & software items	Mainland (not Highlands) Despatched by post, please check charges when ordering.
Other items except lasers	Next day courier service, £10.00 per box.
Laser printers	Next day courier service, £17.50
Offshore & Highlands	Normal rate plus £10.00 + VAT per box
In addition we have the following express service:	
Saturday deliveries	Normal rate plus £10.00 + VAT, surcharge
7am - 9am next day	Normal rate plus £10.00 + VAT, surcharge
am next day	Normal rate plus £10.00 + VAT, surcharge (the above surcharges are per box)

Prices are subject to change without notice E.&O.E



Unit 9
Smug Oak Business Centre
Lye lane, Bricketwood,
St Albans AL2 3UG

Tel. (0923) 894111-8 lines open
Fax. (0923) 894143

8 Queen Victoria Street
Reading
Berkshire

Tel. (0734) 505514

OUR SALES HOT LINE 0923 894111 FOR NEXT DAY DELIVERY



With the Amiga rapidly becoming a major force in the world of music, high quality sampling systems are popping up all over the place. **Maff Evans** checks out an update to the top package ever released.

Audio Engineer Plus

Sampling Package ■ £204.30 ■ Ramsan

AMIGA FORMAT

156

MAY 1992

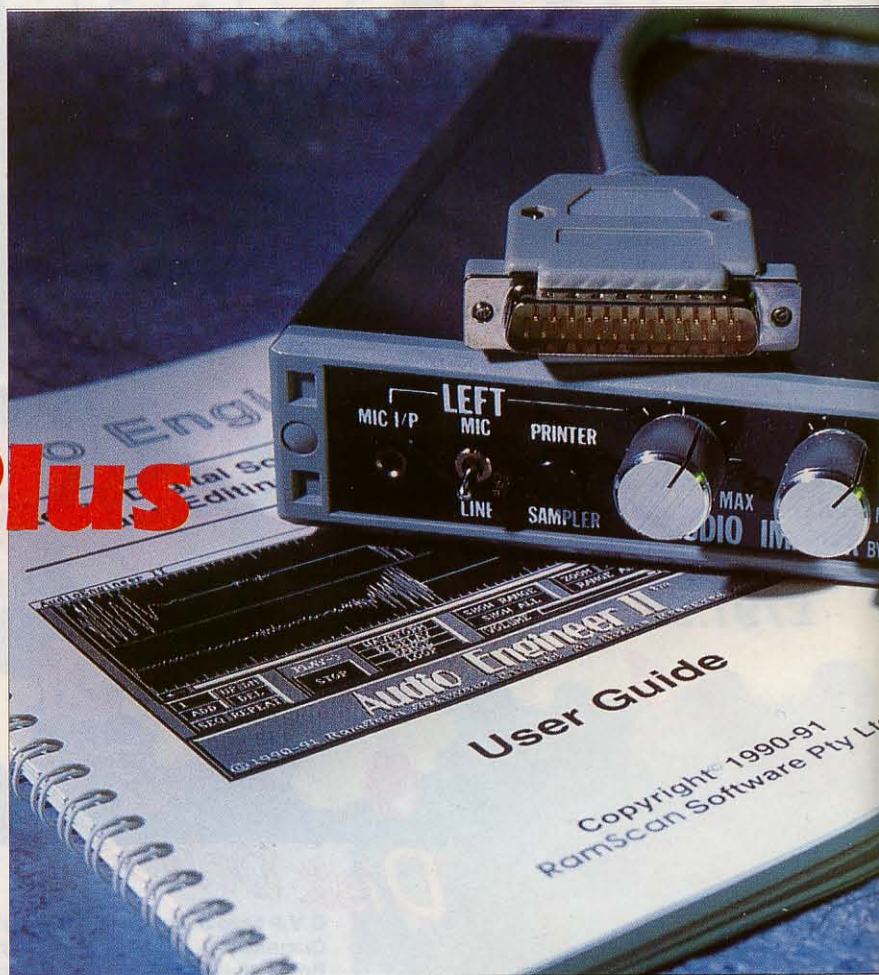
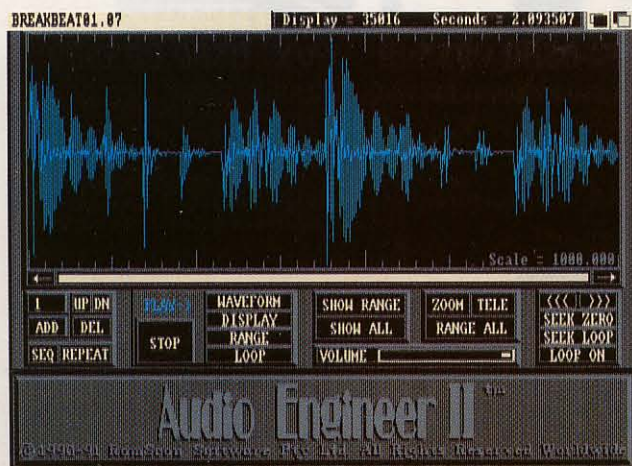
WHEN IT WAS released almost two years ago, Ramsan's Audio Engineer package was regarded as the best sampling system available for the Amiga. Since then, various systems have been released which add new features and editing facilities to the budding home sampler's toolkit, some of which even go beyond the scope of the original Audio Engineer. However, Ramsan have not been sitting around for the past 20 months, and they are set to re-establish themselves as the market leaders in sampling with Audio Engineer Plus.

The original package was a combination of the superb Audio Imager sampling hardware and Peter Norman's *Audiomaster III* (albeit under a different name). The package wasn't cheap (just under £200) but the power and quality offered by the system was unrivalled. Not only could you record crystal-clear samples with little fuss, but the program contained some of the best editing features around.

One of the most impressive features was the Loop Sequencing system, which allowed you to recreate an entire track just from a few short samples. This is done by positioning a number of loop pointers at various points on the sampled waveform and playing them in sequence, giving the impression that you have a much bigger sample in memory.

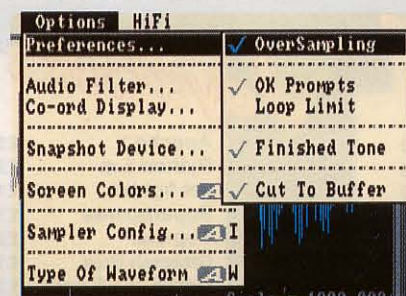
AUDIO ENGINEER PLUS is available from
HB Marketing:
0753 686000

The main Audio Engineer II screen. This shows the panel with its new, modified scroll bar, position display panel, zoom buttons and waveform display scale.



If you couple this kind of power with just about the most straightforward and friendly editing system that is available, it's not at all hard to see why Audio Engineer was classed as the top system on the market. But what have Ramsan done to this already impressive beast to bring it in line with the current crop of sampling packages? Well quite a lot, to tell the truth. Let's have a look at some of the exciting new features...

FOUR TIMES OVERSAMPLING



Switching on the Oversampling mode in the Preferences menu can cause sounds sampled at low rates to become a lot cleaner on playback.

When recording and listening to samples taken at low sample rates, a lot of excess noise (known as 'aliasing') can creep in. Audio Engineer Plus' software features an impressive facility called Oversampling, which actually smooths out the glitches in samples as they play. This removes the harsh whine that many low-frequency samples can be hampered with.

DIGITAL FILTER



Using the built-in digital filter, you can enhance or reduce defined frequency ranges in a sample.

Whereas other samplers allow you to cut the top end 'hiss' from samples, Audio Engineer Plus allows you to cut or boost any range of frequencies, as well as giving you access to a full bandpass filter.

WAVEFORM MIXING



Using the MIX function, you can merge sounds in the Copy Buffer with sounds in the edit window, adding flange effects if required.

Let us come and knock on your front door every month...



...or we'll come round your house and have a quiet word with you!

All right, so it won't be us in person! But having the magazine pop through your letter box every month is like having an old friend come to visit. You're saved the hassle of the weary trek to the newsagent, you get the magazine before it officially goes on sale and now, for the first time, you'll also get a unique newsletter sent only to subscribers.

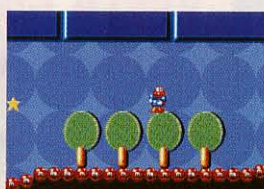
Please note: the price of subscriptions has now increased to account for the fact that every edition of Amiga Format from now on will cost £3.95 and come with a value-packed second Coverdisk on the front. Don't say you weren't warned! It's still a bargain, if you work it out...



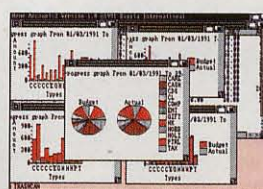
Oh No! More Lemmings
Follow up to the most successful Amiga game of all time adds 100 new levels.



Battle Isles
"A war game that breaks the mould and sets a new standard"
90% Amiga Format Issue 29



James Pond Robocod
"One of the best cutesy platform games ever to appear"
91% Amiga Format Issue 29



Home Accounts 1
Digita's DIY domestic budgeting system is still one of the most popular programs there is!

Subscribe and get one of these fine examples of software, free and for no money at all!

AMIGA FORMAT

161

MAY 1992

Amiga Format Subscription Order Form

Yes! Please enter/renew my subscription to Amiga Format and send me the software of my choice

(tick as appropriate)

☐ **UK £44.95**

☐ **Europe £74.95**

☐ **Rest of the World £104.95**

☐ **More Lemmings!**

☐ **Battle Isles**

☐ **James Pond 2: Robocod**

☐ **Home Accounts**

Amiga Format back issues, £4 each. Issues 23, 24, 30 and 33, £5 each

(please indicate the issues you require) _____

Amiga Power back issues (tick as appropriate) ☐ **1** ☐ **2** **£5 each**

Name _____

Address _____

Post code _____

Telephone No. _____

Method of payment (please circle) Access • Visa • Cheque • PO

Credit Card No. _____

Total Order _____

Expiry date _____

SEND THIS FORM TO:

**Amiga Format Subscriptions,
Future Publishing Ltd,
Freepost, Somerton,
Somerset, TA11 6TB**

No stamp required

**if posted in the United
Kingdom, Channel Islands or
the Isle of Man**

Please make all cheques payable to
Future Publishing Limited.

This coupon valid until end May 1992 AF/MAG 0592

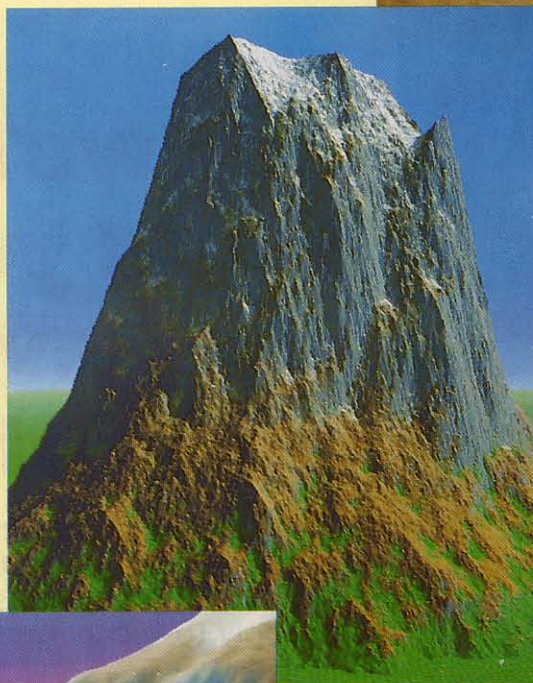
Swap your April Amiga Format VISTA cover disk and upgrade to **VISTAPRO 2**

£39.95

NORMAL PRICE £69.95

VISTAPRO 2.0 OFFERS

- The most complete final image control of any landscape simulator
- Add oak, pine, palm, cactus, sage brush trees in varying mixes and density.
- Add large or small buildings, roads and sunsets.
- Direct support for DCTV, FireCracker, HAM-E and ARREX



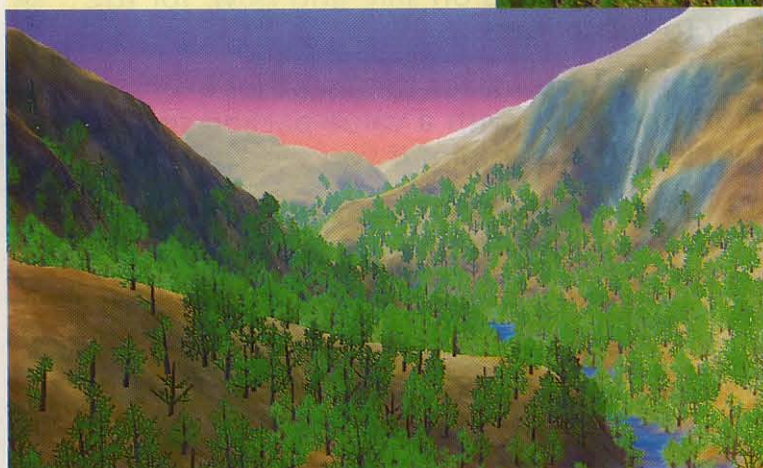
Other packages that can be purchased under the special Amiga Format VISTA cover disk offer are:

TERRAFORM - modify your VISTA and VistPro landscapes or create your own. Add dams to rivers, run roads up mountains, flatten or build up mountains, make craters etc. **£29.95**

MAKEPATH - a motion editing tool. Create complex animation sequences, control acceleration, banking and pitch. Works with both VISTA and VistaPro images. **£29.95**

Scenery Disk X001 - part of Mars equatorial region, Valles Marineris, Pavonis Mons, Acraeus Mons, Tharsis Tholus, Lunae Planum, Syria Planum, Sinai Planum **£19.95**

36 different scenery disk sets of various locations in the USA including Grand Canyon. Ask for list with order



Original Virtual Reality Labs. VISTA Manual for your Amiga Format April Cover disk **£4.95**

NOTE: To take advantage of these update offers, you **MUST** send in your April Amiga Format VISTA diskette and £1-00 post/package with your order (your diskette will be returned with your order).

VISTAPRO 2 control panel



VISTAPRO 2 now supports user definable backgrounds and foregrounds. For instance a foreground might be a shot from inside a light plane cockpit looking out of the window. A background might be a particularly nice cloud photo or astronomically-correct night sky rendered with Distant Suns 4.0

NOTE: VISTAPRO 2 needs 3mB or more. If you own an accelerator card VISTAPRO 2 will take advantage of it.

Cheques to be made payable to:
Genisoft Ltd

Unit 3, Poyle 14, Newlands Drive, Colnbrook,
Slough, Berks., SL3 0DX

ACCESS and VISA accepted - 48 hour despatch (cheques 7 days). Overseas customers add £2.50 postage. ALL prices include VAT.

Remember - you MUST include your free VISTA cover disk from the April issue Amiga Format

You missed the April issue of Amiga FORMAT - DON'T WORRY
Send this coupon to Amiga Format Back Issues, Future Publishing,
The Old Barn, Somerton, Somerset, TA11 7PY. Fill in your name
and address and enclose a cheque or PO for £5 made out to Future
Publishing Ltd. Order code: HB04

Name: _____

Address: _____

FOOTBALL TACTICIAN

Until now, football simulations came in two categories: arcade and management. Few, if any, ever bothered with the all-important STRATEGY which a successful manager is to master, both before a match when deciding on squad selection, and during the match when high-drama, real-time decisions must be made on tactics, substitutions, set pieces and player deployment. But now, for the first time on any major computer, there is a superlative management game that encompasses all forms of soccer strategy: it is called **FOOTBALL TACTICIAN**.

Team selection, needless to say, remains a critical element in any successful campaign: and here you will be aided with a wealth of player data, never seen in any soccer program before. Gone are the days when a player was given a single skill level. Each player is now analysed in up to 20 different aspects, enabling you to select the side best suited for the match in hand. And then to the BIG innovation of **FOOTBALL TACTICIAN**: full on-line, real-time involvement during the match! For the first time ever, you will, as a manager, be able to alter your strategy: choose a defensive or offensive system, mark certain opponents, drop back some of your players if the pressure is tough, decide exactly when substitutions should be made, play the off-side trap, go for quick counters, etc... With full on-screen commentary and minute-by-minute feed-back, you're as involved in the match as any of your players! When you further consider that this game is written in 100% machine code (unlike scores of other slow-motion offerings which are written in basic), that up to twenty two users can play this game at the same time, that accurate records are kept on all 440 players in the first division, right down to their exact market valuation, that a built-in editor allows you to change any player's or manager's name, you will realise that this is no ordinary soccer manager. **THIS** is the REAL THING. You're in charge. You manage your side before and during the match. Nothing is left to chance. Can you rise to the challenge? Try **FOOTBALL TACTICIAN** and prepare yourself for the ultimate football experience.

Amongst the many features: intelligent computer behaviour, lively transfer market, ability to replay ANY match of the week with full commentary, three levels of commentary from highlights only to every single ball challenge with all players named, ability to retrieve any fixture from the last 21 seasons, top scorers chart, friendlies, speed control, twenty player squads including the VERY LATEST transfers right up to this very week, full European Cups program with every single European player accurately named, selectable positions, automatic and intelligent substitutions by computer opponents based on player fitness, fatigue and tactics used; computer opponents will automatically change tactics to respond to situation on the field... ability to utilize to full advantage any extra memory fitted, and many more!



FREE UPDATES OFFER! Because Talking Birds are committed to providing the most up-to-date football manager ever, purchasers of **FOOTBALL TACTICIAN** will receive free update disks for a whole year! As players are transferred, injured or revalued, as managers are sacked and teams promoted or relegated, it is essential that up-to-date data disks should be made available to the serious user. Beyond the first year period, this service will be available as an optional extra.

AMIGA and ATARI ST/STE Double-sided disk.

Please rush 1 copy of **FOOTBALL TACTICIAN**

I own an AMIGA A500 1meg /A500+ ☐ A500 1/2 meg ☐ ATARI ST/STE ☐

Name _____

Address _____

I enclose cheque for £19.95 ☐

My Visa number is _____

Visa or Access orders: same-day dispatch. Overseas please add £1 p&p

TALKING BIRDS 0702 523607

5 Minster Close Rayleigh Essex SS6 8SF

"INCREDIBLE!....."

... the only word needed to describe the greatest sampling tool ever released to the public! (Dance Music Report, USA).

THE ESSENTIAL AMIGA MUSIC ACCESSORY ZERO-G DATAFILE AMIGA

SAMPLE LIBRARY FOR DANCE MUSIC IN IFF FORMAT FOR MUSICIANS - DJs - PROGRAMMERS - DANCE PRODUCERS

Produced by one of the UK's leading dance music pioneers:

Ed Stratton, alias **MAN MACHINE** (Rhythm King), a.k.a. **JACK 'N' CHILL** (Virgin Repts)

There's a huge buzz in the music industry at the moment about the Zero-G dance sample library - and now it's available for the Amiga!.....

The ZERO-G data disks offer a huge selection of superb quality sound samples from the already famous Zero-G professional library saved in IFF format for use in most Amiga music and sequencing packages:

A series of TEN 5-disk volumes - first two volumes out now!....

ZERO-G DATAFILE AMIGA VOL.1 - BREAKBEATS 1

72 killer rhythm loops for today's most happening dance styles

ZERO-G DATAFILE AMIGA VOL.2 - VOCAL HOOKS 1

Hundreds of totally cred streetwise vocal gems - hits/hooks/FX

WHAT THE HI-TECH MUSIC MAGS SAY ABOUT THE ZERO-G DANCE SAMPLE LIBRARY

"Unreservedly excellent... The most comprehensive dance sample resource currently in circulation... Ammunition from the front line!... An unbelievably valuable addition to your sample library..." (Music Technology, UK) "As a source of sounds and inspiration, Zero-G really works!" (Home & Studio Recording, UK). "Why spend loads of money and countless hours searching for your own samples when someone with an ear for credible material and a proven track record has already done the hard work for you?" (Streetsound Magazine, USA, about Zero-G samples). "Incredible!... vocals so fierce you have to hear them for yourself... The voice samples I've never heard anywhere before. Whether you're a producer, remixer, engineer or a DJ with a sampler, this is a must for your sample collection" (DMR Dance Music Report, USA) "An invaluable tool for the professional sound technician." (DJ Magazine, UK). "Stratton knows his business!" (International Musician). "All the raw material needed to assemble house or techno tracks to a very high standard... given Ed Stratton's ear for what works." (Sound-On-Sound, UK).

Coming Soon in the ZERO-G series, a further 8 volumes....

Sci-fi & Techno FX Vols 1+2 (games programmers take note!); Dance Percussion (inc. human beatbox); Misc. House FX (inc. pro-quality scratching); Spoken Drop-Ins (inc. robots/aliens); Classic Dance Drum Machines (inc. TR808 + TR909); Breakbeats Vol. 2; Vocal Hooks Vol. 2.

Each volume comes with comprehensive instruction manuals and indexing and full technical helpline support is provided. As you purchase additional sets in the Datafile range, you'll see your library of sounds and effects develop into a powerful and unrivalled reference source fulfilling all your sample requirements, and unequalled in quality and ease of use.

CAN BE USED WITH ALL OF THE FOLLOWING:

SEQUENCER ONE

SuperJAM!

INSTANT MUSIC

MUSIC-X

OCTAMED

QUARTET

AUDIOMASTER III

INTERSOUND

BARS & PIPES PRF

TFMX 1&2

KCS

SONIX

AUDITION 4

MUSIC COMPOSER

OKTALYSER

DMCS (Deluxe Music Const)

DIGITAL MUSICIAN

DYNAMIC DRUMS

GMC (Game Music Creator)

MASTER SOUNDTRACKER

MED (Music Editor)

NOISETRACKER

PROTRACKER

ETC, ETC.....

The entire Zero-G library is also available on 3 standard CDs (1000 samples on each) for sampling into any hardware samplers - £49.95 each or £129.95 for all three.

To order Zero-G Datafile Amiga 1 or 2, or the CD versions, call our 24-hour order line on: 0442 870681 (Access/Visa/Amex) or Fax us on 0442 877266.

TIME+SPACE, PO Box 306, Berkhamsted, Herts HP4 3EP, England

Please send me:

☐ Zero-G Datafile Amiga Vol.1. "Breakbeats 1" @ £29.95

☐ Zero-G Datafile Amiga Vol.2. "Vocal Hooks 1" @ £29.95

I enclose a Cheque/Postal Order to value of £ _____ made payable to "TIME+SPACE" or: Please debit my Access/Visa/Mastercard/Amex credit card:

NUMBER: _____ EXP. DATE: _____

ADDRESS: _____

POSTCODE: _____ TELEPHONE: _____

(ALL PRICES INCLUDE V.A.T. and post) DELIVERY: Orders despatched within 14 days of receipt of payment. UK: post free, International Order: please add

☐ £5.00 Air-mail

☐ £10.00 Express Air-mail.

Sequencer One

On the second Coverdisk of the Christmas special issue we brought you the best special offer you could have: the complete **Sequencer One** music package, RRP £89, for next to nothing. If you missed out, you can get your copy from Back Issues for only £5. But it doesn't stop there! Make the most of **Sequencer One** by taking advantage of the **host of extras** which build up the **most powerful easy-to-use music-making system** there is!



Sequencer One, the excellent beginners' music program we gave away with Issue 30. If you missed out, get it now from our Back Issues department on Page 184!

THE HIT KIT!

A music composition system to use with both *Sequencer One* and *Sequencer One Plus*. It can help you to create professional-sounding drum tracks, bass lines and other accompaniments in a wide range of musical styles (eg ballad, blues, house, disco, latin, reggae or techno). Very little previous musical knowledge is needed to obtain frighteningly rapid results! Can you write a number one hit? Here's the kit to help you, only £24.95 (RRP £29.95)!



SAVE £5!

Description
The Hit Kit!

Price
£24.95

Order No
AM237



SAVE £90!

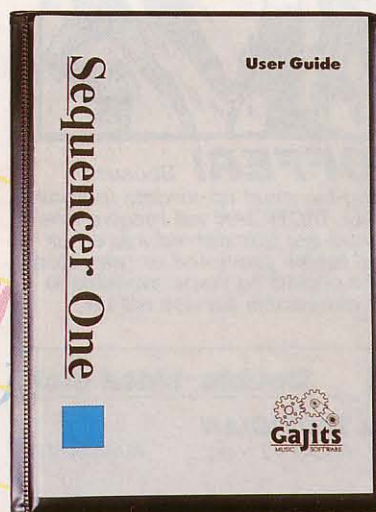
SEQUENCER ONE PLUS UPGRADE KIT

Don't miss out on this incredible offer! Upgrade to *Sequencer One Plus* to take advantage of a host of extra features including the unique Juke Box screen and Gajits' new 'Diamond Drag' note editing system. Also includes: tempo maps, auto count in, MIDI sys ex handling, track solo, extra quantise options, and much more! All of this will sell for £129.95 (RRP). For a short time only, *Sequencer One Plus* is available as an upgrade kit for *Sequencer One* owners (and that includes everyone who has the program from **Amiga Format** Coverdisk 30) at just £49.95 (RRP). But we're offering it to you at a mere £39.95 for an amazing total saving of £90!

Description
Sequencer One Plus

Price
£39.95

Order No
AM235



SEQUENCER ONE USER GUIDE

Contains not only the full program User Guide but also a personal User Registration Card. The User Guide includes a beginners' introduction to sequencing and MIDI, lots of helpful illustrations and examples, and a full index. The User Registration Card entitles you to free update information and the Gajits Telephone Helpline support service. You can benefit from all of this for the special price of only £6.95!

Description
Sequencer One User Guide

Price
£6.95

Order No
AM236



SAVE UP TO £25!

THE SAMPLE SERIES

A collection of five volumes of IFF format digital sound samples for use with *Sequencer One* and *Sequencer One Plus* (as well as other programs using IFF samples). Each volume contains up to 80 high-quality samples and includes a specially-written demo song to demonstrate the capabilities of the samples.

There are five volumes to collect:

1. Percussion and Effects
2. Guitars and Strings
3. Brass and Woodwind
4. Synth and Vocals
5. Piano and Keyboards

Each volume costs just £9.95 here (RRP £12.95).

The complete set can be bought for only £39.95, saving you nearly £25!

Description	Price	Order No
Sample Series 1: Percussion	£9.95	AM238
Description	Price	Order No
Sample Series 2: Guitars	£9.95	AM239
Description	Price	Order No
Sample Series 3: Brass	£9.95	AM240
Description	Price	Order No
Sample Series 4: Synth	£9.95	AM241
Description	Price	Order No
Sample Series 5: Piano	£9.95	AM242
Description	Price	Order No
Sample Series Complete Set	£39.95	AM243

All prices include postage, packing and VAT



No Hidden Extras



HOTLINE 0458 74011

Graphics Workshop

A FUTURE BOOK

Graphics Workshop

Powerful paint and animation at your fingertips!

**AMIGA
FORMAT**



The complete Amiga Format guide to getting the best from Graphics Workshop, with full explanations of all the advanced paint and animation features plus tutorials, hints and techniques

IN ASSOCIATION WITH
HOLOSFT TECHNOLOGIES

The Graphics Workshop, which we gave you for practically nothing on the Coverdisk of our Christmas Special issue, is a powerful paint and animation program. In no time, you'll discover what an excellent package it is, and want to use it more. Why not get the most out of it by buying the full instruction book and tutorial guide, specially rewritten by **Amiga Format**!

AND REMEMBER!

If you missed out on Issue 30 and your copy of *Graphics Workshop*, you can order the magazine from our back issues (Page 164) for only £5!

Only £14.95
including tutorial disk

Order form

Name _____

Address _____

Post code _____

Telephone No. _____

SEND THIS FORM TO:
Amiga Format,
Future Publishing
Ltd, Freepost,
Somerton,
Somerset, TA11 7BR

Description	Price	Order No.

Total Order _____

No stamp required
if posted in the
United Kingdom,
Channel Island or
the Isle of Man

For overseas orders
call Nikki for prices
on 0458 74011

Method of payment (please circle) Access ● Visa ● Cheque ● PO

Please make all cheques payable to **Future Publishing Limited**.

Credit Card No. _____

Expiry Date _____

Evesham Micros

**JOINT WINNER OF
COMPUTER SHOPPER'S
'Best Customer
Service'
- AWARD FOR 1991 -**

PRICES INC. DELIVERY & VAT @ 17.5%

Express Courier Delivery :
(UK Mainland Only) £6.50 Extra

HERE TODAY ~ HERE TO STAY

Evesham Micros First. First for choice, prices and service. Established for over eight years, with a strong financial status and secure future. Our Computerised Telesales Order Processing investment means fast, efficient service. Well appointed Retail Showrooms with large product range on display. Our huge Customer database, high percentage of repeat custom and personal referrals underlines our popularity. **REMEMBER** - when you need us, we will still be here. Our extensive expansion program means we could eventually be there as well ...

HOW TO ORDER



Call us now on

0386 765500



TELESALLES OPENING TIMES :

9am - 7pm Monday-Friday



9am - 5.30pm Saturday

10.00 - 4.00 Sunday



Send Cheque, Postal Order or
ACCESS/VISA card details to:

Evesham Micros Ltd.

Unit 9, St Richards Road

Evesham, Worcs. WR11 6XJ



ACCESS / VISA
Cards Welcome



Government, Education & PLC orders welcome

Same day despatch whenever possible

Express Courier delivery (UK Mainland only) £6.50 extra

Please note that 5 banking days must be allowed for
cheque clearance. Immediate clearance on Building
Society cheques or Bank Drafts.

Mail Order Fax: **0386-765354**

New showroom opening times:

Mon-Sat. 9.00 - 5.30

& Sunday 10.00 - 4.00

Unit 9 St Richards Road, Evesham
Worcestershire WR11 6XJ

☎ 0386 765180

fax: 0386 765354

5 Glisson Rd, Cambridge CB1 2HA

☎ 0223 323898

fax: 0223 322883

Corporate Sales Dept. • IBM dealer

251-255 Moseley Road,
Highgate, Birmingham B12 0EA

Tel: 021 446 5050 • Fax: 021 446 5010

Corporate Sales Dept • Easy Parking

320 WITAN GATE
MILTON KEYNES MK9 2HP

☎ 0908 230 898

fax: 0908 230 865

**TECHNICAL
SUPPORT**

☎ **0386-40303**

Monday to Friday, 10.00 - 5.00

**12 MONTHS WARRANTY
ON ALL PRODUCTS**

All details correct at time of going to press • All goods subject to availability

AMIGA 500 SOLDERLESS RAM UPGRADES

**512K
RAM/CLOCK
UPGRADE**

ONLY £22.99
INC. VAT AND DELIVERY

ALSO WITHOUT CLOCK
FOR ONLY :
£17.99

★ CONVENIENT ON / OFF MEMORY SWITCH ★ AUTO-RECHARGING
BATTERY BACKED REAL-TIME CLOCK ★ COMPACT, ULTRA-NEAT DESIGN

**'A500 PLUS'
1MB RAM
UPGRADE**

**THE FASTEST AND EASIEST WAY TO
UPGRADE YOUR A500+ TO 2MB RAM!**

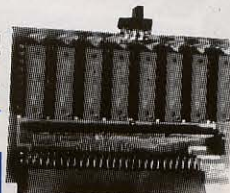
Simply Plugs into trapdoor expansion area ★

Increases total RAM capacity to 2Mb 'ChipRAM'

★ RAM On/Off Switch ★ Compact unit size ★

Only 8 low power RAM IC's ★ High reliability

ONLY £42.99



UPGRADE
TO 2MB FOR
ONLY £79!

1.5MB RAM BOARD

Fully populated board increases total RAM in A500 to 2Mb! ★ Plugs

into trapdoor area, & connects to 'GARY' chip ★ Includes Battery-

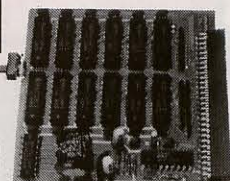
Backed Real-Time Clock ★ Socketed RAM ICs on 512K / 1Mb Versions

Unpopulated RAM board with clock £ 34.95

with 512K installed.....£ 54.95 with 1Mb installed.....£ 69.95

RAM Board with 1.5Mb FASTRAM installed £ 79.00

N.B.: The expansion board
requires Kickstart 1.3 to
operate - Kickstart 1.3 upgrade
available from us for £29.95



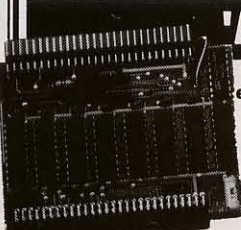
'MEGABOARD'

With our MEGABOARD, you can further
expand your A500's memory to a total of
2MB without disposing of your existing
512K upgrade (must be 4 x RAM-chip
type, or not exceeding 9cm in length).

ONLY £54.99

**CONNECTS TO YOUR
512K RAM UPGRADE
TO GIVE 1.5MB**

MEGABOARD needs Kickstart 1.3 to operate
(Kickstart 1.3 upgrade available from us for
£29.95). Installation requires connection to the
GARY chip. Easy to follow instructions provided.



A500 EXTERNAL 8MB RAM UNIT

NEW

- ★ Very low power consumption
- ★ Styled to match the Amiga
- ★ Throughport for further expansion
- ★ RAM access LED & RAM test/run switch
- ★ Optional PSU (Allows Amiga to power other devices)
- ★ Available fitted with 2Mb, 4Mb or fully populated with 8Mb

Our new external unit allows the A500/A500+ to be upgraded by up to a further 8Mb
auto-configuring FASTRAM using the latest 'ZIP' DRAM technology.

N.B. Any memory fitted to this unit is in addition to that on your machine already, to a maximum of 8Mb.

With 2MB fitted... £119.99 With 4MB... £179.99 With 8MB... £289.99

Partially populated units expand to 8Mb with 2Mb modules, available separately at only £89.99 per 2Mb



3 1/2" EXTERNAL FLOPPY DRIVES

AMAZING LOW PRICE !

£47.99

including VAT & delivery

- Very quiet
- Slimline design
- Suits any Amiga
- Cooling Vents
- Sleek, high quality metal casing
- Quality Citizen/Sony drive mechanism
- On / Off switch on rear of drive
- Full 880K Formatted Capacity
- Long reach connection cable



RETAIL SHOWROOMS

ZY-FI amplified stereo speakers

REALISE THE TRUE SOUND POTENTIAL OF YOUR AMIGA WITH THIS PAIR OF FULL RANGE SPEAKERS!



Your Amiga produces fine quality hi-fi stereo sound. Enjoy quality stereo sound reproduction to the full with this specially designed, great twin speaker system! Features reflex ported speaker design with 3 separate drivers in each unit, and incorporates a built-in amplifier with adjustable volume control. Runs from PSU (supplied) or from batteries (not included). Speaker Dimensions 248x93x125mm (HxWxD)

ONLY £39.95

TOP VALUE 400dpi HANDY SCANNER

QUALITY SCANNING - AT THE RIGHT PRICE!

Representing outstanding value for money, this package combines top quality scanning hardware with the latest version of the distinctively powerful DAATASCAN PROFESSIONAL VERSION 2 software.

At a genuine 400dpi scanning resolution, this new scanner produces truly superb quality scans. Has a full 105mm scanning width, variable brightness control and 100 / 200 / 300 / 400dpi resolution. Daatascan Professional Version 2 scanning and editing software allows real-time scanning in either line art or in up to 64 simulated grey scales. Provides powerful editing features and excellent compatibility with most DTP and Paint Packages. eg. Deluxe Paint 4, Touch-Up.

ONLY £99.99

TRUEMOUSE

WE GUARANTEE that this is the smoothest, most responsive and accurate replacement mouse you can buy for the Amiga. Excellent performance, now with a 300dpi resolution. Amazing new price!

£16.99 SATISFACTION GUARANTEED

GOLDEN IMAGE OPTICAL MOUSE Amiga/ST compatible - excellent travel+accuracy assured. NEW LOW PRICE!.. £29.00

ROCGEN GENLOCK MK.II

SPECIAL OFFER!! INCLUDES 'HOME TITLER' SOFTWARE

OFFERING EXCEPTIONAL VALUE FOR MONEY, this fully compatible GENLOCK adaptor offers levels of quality, function and sophistication not normally available in this price category. Special features include the ability to record graphics & animations on video recorders and overlay graphic and text onto video. Capable of smooth and stable fading and overlaying effects with special tuning knob.

ONLY £89.99

NEW! 'ROCGEN PLUS'

Compatible to any Amiga or Commodore CDTV, this NEW Genlock Adapter provides Advanced Special Effects and Performance Features without sacrificing user-friendliness!

New Special Features include: Dual Dissolve control knobs providing freely adjustable degrees of overlay or invert (keyhole) effects; Auto Video pass-thru; extra Video throughput for separate line monitoring; RGB pass-thru for real-time editing of Amiga graphics; plus Key-In port for use with an external keying device.

ONLY £129.95

PHILIPS 15" TV/MONITOR



With its dedicated monitor input, this model combines the advantages of a high quality medium resolution colour monitor with the convenience of remote control Teletext TV - at an excellent low price! Features dark glass screen for improved contrast, plus full range 3-way speaker sound output.

£269.00 Including VAT, delivery & cable

Philips CM8833 Mk.II Monitor including cable, game and one years on-site maintenance £229.00

A590 ADD-ON HARD DRIVES

A590 OWNERS! Expand your hard disk storage further with one of our add-on, externally cased SCSI Hard Drives, with 25ms autparking NEC mechanisms and separate power supply. Plugs into the socket provided on the rear of the A590 unit.

External 40Mb SCSI Drive cased with PSU to directly add-on to the Commodore A590 £249.00
External 100Mb SCSI Drive cased with PSU £399.00

AMIGA 500+ SPECIAL OFFERS

A500+ CARTOON CLASSICS PACK

INCLUDES 3 BRILLIANT CHART-TOPPING GAMES !!!

TOP VALUE PACKAGE INCLUDES :
• NEW 'AMIGA 500 PLUS' with 1Mb RAM, 1Mb Drive, Kickstart 2, Workbench 2, TV Modulator, Mouse, etc.
• 'DELUXE PAINT III', PLUS:
'LEMMINGS' (top seller!)
'CAPTAIN PLANET'
'BART SIMPSON vs. THE SPACE MUTANTS'

£349.99

2MB CHIPRAM
VERSION £379.99

GAZZA

limps to Evesham Micros in our brilliant value Classics Extra Pack!

TOTAL OF 22 MEGA GAMES!

Features Amiga 500+ 'Cartoon Classics' Pack as detailed above, plus Virus Protector, Mouse Mat, Top Quality Joystick plus 19 FABULOUS GAMES including :-

'Tracksuit Manager 90'
'20,000 Leagues Under The Sea'
'Better Dead Than Alien'
'Tank Battle'

'GAZZA 2'
'Battle Squadron'
'Germ Crazy'
'Diet Riot'
'Treasure Trap'

'CARDIAXX'
'NIGEL MANSELL'
'High Steel'
'Night Walk'
'Lost N' Maze'

'SUBBUTEO'
'ASTERIX'
'The Ball Game'
'Block Alanche'
'DiskMan'

£369.99

2MB CHIPRAM
VERSION £399.99

Commodore A590 20Mb Hard Drive £299.99
A590 1Mb RAM Upgrade £59.95
A590 512K RAM Upgrade £29.95
A590 2Mb RAM Upgrade £99.95
Amiga 1500 Starter Pack (1Mb RAM, 2x3.5", Colour Monitor, 'DPaint 3', 'Platinum Works', 'Home Accounts', 3 x Games, etc) £829.00

REPLACEMENT AMIGA 500 INTERNAL 3.5" DRIVE KIT



Fully compatible, with 1Mb unformatted capacity. Straightforward installation procedure. Kit includes full fitting instructions.

ONLY £39.99

TRACKBALL



High performance trackball, directly compatible to any Amiga or Atari ST. Plugs into mouse or joystick port. Super-smooth and accurate - you probably won't want to use a mouse again after using this Trackball! Full one-handed control. Top quality opto-mechanical design, giving high speed and accuracy every time. No driver software needed!

ONLY £29.95

REPLACEMENT A500 PSU



Genuine Commodore Amiga A500 type replacement Power Supply Unit. Good quality 'switch mode' type. Super low price!

ONLY £39.95

STEREO SOUND SAMPLER

Offering full compatibility with almost any Amiga audio digitiser package, our Sound Sampler features excellent circuitry, yielding professional results. The main A/D converter gives a digitising resolution of up to 50KHz, with a fast slew rate. Two phono sockets are provided for stereo line input, plus an option for microphone. Adjustable gain is achieved with built-in control knob. Complete with public domain disk containing sound sampling applications / utilities.

ONLY £29.95

MIDI INTERFACE

Our fully compatible, high quality MIDI interface connects directly with the Amiga serial port and provides IN, OUT & THRU ports for good flexibility. Features LED indicators on each port for diagnostic purposes. Superb compact design!

ONLY £19.95

VIRUS PROTECTOR

Our compact Virus Protector fits easily to the Port of the last disk drive in your Amiga system, protecting all internal and external drives from boot block viruses. Incorporates a switch to enable or disable the protection facility.

ONLY £6.95

AMIGA 1500/2000 UPGRADES

HARD DRIVE / RAM UPGRADE BOARD KIT

Our hard drive kits include full size hard disk controller cards with unpopulated SIMMS RAM upgrade sockets for fitting up to 8Mb RAM, plus high speed, new technology NEC Hard disks.

40Mb HARD DRIVE & INTERFACE / RAM CARD £349.00
100Mb HARD DRIVE & INTERFACE / RAM CARD £499.00

PLEASE NOTE: These are empty RAM sockets - Add £80.00 per 2Mb RAM required.

VIDI-Amiga video digitiser package inc. VIDI-Chrome £110.00
VIDI Complete Colour Solution Kit £149.95
VIDI-RGB colour frame generation kit from B&W images £64.95
Kickstart 1.3 Upgrade £29.95
Amiga 500 Dust Cover £4.95

PRINTERS

Prices Include VAT, Delivery and Connection Cable

Gold Star REGISTERED DEALER

EVESHAM MICROS STAR PRINTERS INCLUDE 12 MONTHS ON-SITE WARRANTY

STAR LC20 9-Pin Printer

NEW SUCCESSOR TO THE STAR LC-10, WITH MANY FEATURES AND A FASTER PRINT SPEED



Providing superlative paper handling, four excellent NLQ fonts and a new super-fast print speed of 180cps in draft and 44 cps in NLQ, the LC20 appropriately supercedes the phenomenally successful LC10!

ONLY £129.99

Star LC 200 9-Pin Colour, 4 fonts, 180/45cps £199.99
Star LC 24-10 24-Pin, 4 fonts, 180/60cps £199.99
Star LC 24-200 24-Pin, 5 fonts, 200/67cps £239.00
Star LC 24-200C 7 colour version of above £269.99
Automatic Sheet Feeder for LC 10" printers (pls.state model) £64.95
NEW! Star XB24-200 COLOUR 24-pin, 80 col. power printer £369.00
NEW! Star XB24-250 132 column version of XB24-200 £439.99

Citizen PRODOT-24 COLOUR Professional 24-Pin COLOUR Printer

PROFESSIONAL 24-PIN COLOUR PRINTER - AT A BUDGET PRICE!

□ Highly versatile letter quality printer □ 200 cps output in draft, 66 cps in LQ mode (5 true letter quality fonts) □ Full control from front panel □ Graphics res 360 x 180dpi □ 2 Year Manufacturers Warranty
Normal RRP: £746.35 Inc.VAT



HURRY WHILE STOCKS LAST!

ONLY £249.00

inc.VAT, Delivery and Cable

Citizen Swift-24E including COLOUR kit £299.99
Olivetti JP-150 Inkjet good quality - exceptional value £249.99
Olivetti JP-350 Inkjet excellent high speed 300dpi printer £359.00
Hewlett-Packard Deskjet 500 £559.00
Epson LX400 budget 10" carriage 9-pin 180/25cps £139.00
Epson LQ570 24-pin 180/60cps, 8k buffer £289.00
NEC P20 £229.13
Panasonic KXP1124I uprated 24-pin model 300/100cps £279.00
Panasonic KXP1123 good value 24-pin model £215.00

SOFTWARE

Deluxe Video 3 £84.95
MR Backup £29.95
AMOS £37.50
HiSoft Lattice C £199.00
GFA BASIC V3 £36.95
GFA BASIC Compiler £34.95
Devpac 2.15 £44.95
Disney Animation Studio £69.95
Special! Digita Wordworth £99.00
Kind Words 2 £37.95
Protext V5.5 £120.00
Digita Home Accounts V2 £49.00
Deluxe Paint 4 £79.99



0530 411485

ASHCOM

DESIGN & DEVELOPMENTS LIMITED



0530 411485

THE ESSENTIAL
PACKAGE FOR
ALL YOUR
BACK-UP NEEDS

PRESENTS
**MAC
II**
BACK-UP

FOR ONLY

£39.95

INC. VAT & P/P

END OF ALL
BACK-UP
PROBLEMS

NOW INCLUDES
MAC II UTILITIES DISC
BACK UP OPTIMISER,
SPEED AND ALIGNMENT
CHECKER

THE MOST POWERFUL SOFTWARE BACKUP SYSTEM EVER PRODUCED FOR THE A500/A500 PLUS
THERE IS NO SOFTWARE YET PRODUCED THAT CANNOT BE BACKED UP USING THE MAC II SYSTEM

FEATURES:

- The most comprehensive back-up utility ever!
- Menu driven options which make it easy to use
- backs up other formats: IBM, Atari etc.
- Quick and easy to install (second drive required)
- Also available for A1500/A2000

ORDER MACII BACK-UP NOW AND YOU WILL NEVER HAVE TO PURCHASE ANOTHER BACK-UP UTILITY AGAIN

1988 COPYRIGHT ACT. ASHCOM neither condones or authorises the use of this package for the reproduction of copyrighted material. The facilities offered by MAC II are designed to reproduce users own software, PD software & other such programs where permission has been clearly given. It is illegal to make copies of copyrighted material without the permission of the copyright holder or the licensee thereof.

THE ULTIMATE AMIGA RAM EXPANSION

AX502 2MEG £149.00 INC VAT

AX504 4MEG £199.00 INC VAT

AX508 8MEG £329.00 INC VAT

NEW

OUTSTANDING FEATURES: • External Fitting (just plug's in!!) • Auto-configuration for 2MB, 4MB or 8MB • Bus through port, fully compatible with external hard drives, SCSI etc. • Ultra low power no external PSU required • Fully buffered data & address bus • Latest technology high density dram • zero wait states - Guru free!! • Slimline attractive case • Allows creation of very large & fast RAM Disc's • Ram Test software • Will not invalidate warranty

A501 PLUS RAM EXPANSION

Developed specifically for the A500 **plus** take your Amiga up to 2MB of chip RAM using latest DRAM technology. Simply fits in trapdoor.
WILL NOT INVALIDATE YOUR WARRANTY. £39.95

NEW**AMIGA A500 Plus**

Cartoon Classics Pack **£374.95**

TAKE YOUR A500 PLUS UP TO 2MB £39.95**ASHCOM KICKSTART ROM 1.3/2.04 SHARER**

SWITCHABLE BETWEEN 1.3 & 2.4 ROM.
GET ALL THE BENEFITS OF THE A500 PLUS WITHOUT SOFTWARE INCOMPATIBILITY!!
WILL WORK WITH OLDER 1.3 COMPUTERS INCLUDING A1500/A2000 - **ONLY £19.95**
KICKSTART ROM 1.3 **£34.95**
KICKSTART ROM 2.04 CALL

BEELINE

HIGH QUALITY STEREO SOUND SAMPLER
WORKS WITH ALL SOFTWARE
SOFTWARE INCLUDED
ONLY £34.95

ROCTEC

SLIMLINE DISC DRIVE
ONLY £59.95

ASHCOM MEGA UTILS DISC £2.95
1 MEG* 9 SIMMS £33.00
256K* 1 DRAM £1.00
256K* 4 DRAM £4.50
SQUIK MOUSE £14.95

AUTOMATIC MOUSE/JOYSTICK SWITCHER

ONLY £14.95
+ SQUIK MOUSE £24.95

NEW LOW PRICE 512K RAM EXPANSION

WITH CLOCK ONLY **£21.95** WITHOUT CLOCK **ONLY £19.95**

2 YEAR WARRANTY ON ALL PRODUCTS. ALL PRICES INCLUDE VAT & P/P. ORDERS NORMALLY DESPATCHED IN 24 HRS. REGISTERED COMMODORE DEVELOPER.
FOR FURTHER INFORMATION ON ANY PRODUCT PLEASE TELEPHONE OR SEND A S.A.E. TO THE FOLLOWING ADDRESS. TRADE ENQUIRIES WELCOME.

Only from ASHCOM, DEPT AF6, 10 The Green, Ashby-De-La-Zouch, Leicestershire LE6 5JU

MON-FRI 9.00-5.30

Telephone: (0530) 411485 (24 hrs) Fax: (0530) 414433

SAT 9.30-4.00

WILLIE'S WATERWORKS

NBS L511



Putting the pieces of the pipe together to let the water flow through, that's the idea of *Willie's Waterworks*

Most PD games don't have much in the way of an intro or presentation, but this is the exception. *Willie's Waterworks* is a very playable clone of a game called *Pipemania*. The idea is to place various sections of pipe so that water can flow through them. Unfortunately the water goes at its own speed, so it starts slow and gets frantic very quickly.

The slickness and presentation are eye catching, and although not quite of commercial standard, Omega Demos Inc have done a great job in making a simple game look, and sound, excellent. One for the puzzlers.

AVINA BLUE

POLLYSOFT L20

Written by Chris Skellern, this is one of those extreme PD releases. *Avina Blue* is one of many huge satellites orbiting the Earth in the far future. They're all controlled and linked together by the Ego Mind, a sinister computer-based artificial intelligence that dominates and controls the vast majority of the human race.

The exception is you of course, and it's you who has to penetrate *Avina's* defences and destroy the main computer terminal. Fairly predictable story line, and very predictable game – it's a scrolling shoot-em-up, but the good news is it's very fast.

PD Update

The Public Domain has a plethora of free games and utilities, and right here, right now **Pat McDonald** picks out his faves.



One of the bluest games ever on the Amiga, *Avina* taxes your reactions to the limit. Lucky you get lots of lives!

You really don't get much time to react at all to the twisting corridors of *Avina Blue*. Few of the nasties move, and it's doubtful that they are programmed to attack you – quite frankly you are a blur compared to them. You may think you've seen some fast games – but this is faster. Sound effects are competent.

It's regrettable that Chris did his own graphics, because quite frankly they're terrible. All the same, *Avina Blue* is a fun sort of challenge that demands extreme reactions – let's hope he finds a decent artist for his next release.

NEW SUPERKILLERS VIRUS FREE PD 2319

The most up to date set of virus killers around, thanks to the efforts of Safe Hex International, a widespread organization dedicated to the extermination of viruses on the Amiga (and well led by Erik Lovendahl Sorenson of Norway). This disk can cope with 223 different viruses.

One word of warning – the disk has a couple of viruses on it! However, this isn't a slip up on the part of Erik, but a good way of learning how to find and remove viruses with the supplied programs.

First on the list is Virus Checker V6.0, by John Veldthuis (an earlier release of this program was on Amiga Format 31's Coverdisk). Virus Checker is simple, can be setup to run continually while you are using Workbench, and knows the most viruses of any individual program on this disk.

BootX (by Peter Steur) 4.40 is also on there. This has had a major facelift, to make it look worthy of Workbench 2. BootX, as I have said many times, is a very useful program. You can use it to backup the bootblock portion of games. If a virus wipes the bootblock of a game, then this program can put it back again. Considering it can cost a fortune to replace games knackered by a virus, this utility is a must.

Continued on page 172

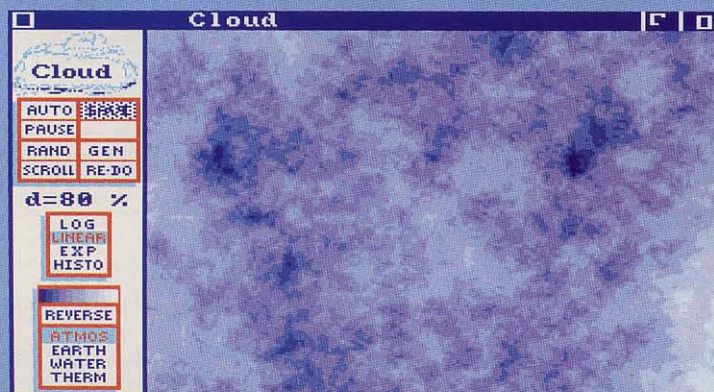
FRactal Landscapes 17 BIT 1697

Those who enjoyed the *Vista* program, which was given away with last month's *Amiga Format*, come may find this collection quite good. It's a set of fairly old programs, but there isn't a duff one in there.

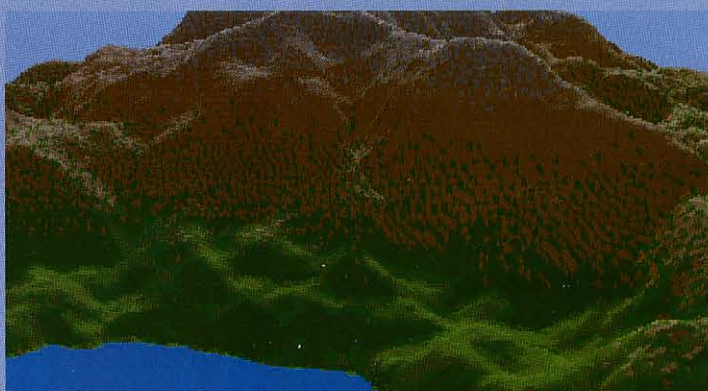
The *Genesis* demo is similar to *Vista*, except that it's slower and the save picture feature has been deleted. *Scenery* has been the PD equivalent of *Vista* for as long as I can remember, and although the pictures are not as good, it does go quite quickly. *Landscape* is similar, though due to it being written in

AMOS it's not the fastest in the land. *LandBuild* is tricky to use, but it can produce 3D landscape maps quite quickly. To round off, *Cloud 9* is a program for drawing fractal clouds, in a range of different colours. The quality of cloud is selectable by the user – again, tricky to use but nice effects. It cannot save any pictures on its own.

If you do get this disk, I would recommend that you also get a screen saver like *PicSaver* or *Fenster*, to let you get the graphics out of the programs.



OK, OK, as Maff Evans pointed out, *Deluxe Paint III* will do for this sort of effect. For those who want a true Fractocumulus, this is the shareware program to support.

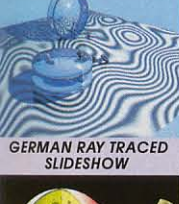
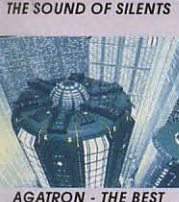
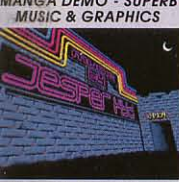


Scenery Generator is classic shareware – no collection is really complete without it. Not as easy to use as *Vista*, but it produces good landscapes all the same.



Vally PD
UPD/F5, PO BOX 15, PETERLEE
Co. DURHAM, SR8 1NZ
091 587 1195

UNITED PUBLIC



Essential New Releases !

REVENGE OF THE MUTANT CAMELS Jeff minters all time classic ShootEmup! Gettl+
YUM YUM Nice little pacman game for kids. 1 Meg. +
ASI GAMES 20 Microbes, CoinDrop, Hollywood Trivia & MatchPatch ! +
UPROAR SPLIT BEAVER Mix Excellent dance music mix. +
CHROMIX Excellent puzzle style game from Down under. Very good. +
CHROME Show off your amigas sound with this incredible music set (2)+

GAMES

PG0012 ADVENTURE SOLUTIONS 2 disks full of adventure solutions! (2)
PG003 AIR WARRIOR This is a flight simulator program +
PG0045 ALL NEW STAR TREK Great game from Tobias Richter! (2) +
PG006 ANTEP & SLOT CARS A graphical role playing game & a car game +
PG007 APIDYA Brilliant demo of a great new game. Get it!
PG008 ASI 1 Tanx, Rottlerpede, Avaris, Caverunner & Amigoids. +
PG009 ASI 2 Girl action. Missile command invaders (2) a great game!
PG010 ASI 3 Megaball & Drip! Superbreak board game & platform game +
PG011 ASI 4 Jumper, Gomoku, Cracker, Jump, Turbo duel & Klondike! +
PG012 ASI 5 Raid, Go Looly & Refaltalar. 3 shoot em ups +
PG013 ASI 6 Downhill challenge, Pacman 87, Meta Llamas & Wellrix
PG014 ASI 7 Destination Moonbase, Trix, Mightworks & Claudi runner
PG015 ASI 8 Air ace II, Hball, Number Fumbler & Snakepit! +
PG016 ASI 9 Battle pong & Blizard - Two absolute great games!
PG017 ASI 10 Escape, Pipelane, Pickout & Sys!
PG018 ASI 11 Dad, Connex, Towers of Hanoi, Reversi & Trippin!
PG019 ASI 12 Llamatron, Car, Powerpong & X F 1!
PG020 ASI 13 Ball Asteroids, Twinrix, Block It, Squamable & Amigration
PG021 ATIC ATAC A conversion of the old classic Spectrum game +
PG022 AWESOME PREVIEW Fantastic preview of a great game!
PG023 BATTLEFORCE A strategy war game similar to Mechforce
PG024 BLACKJACK A really good version of the game!
PG025 BUCK ROGERS A nifty little shootemup from the C-64 days!
PG026 CASTLE OF DOOM An easy graphic adventure game! +
PG027 CHINESE CHECKERS Computer version of the popular board game +
PG028 COLOSSUS & WORLD Two very good adventures from Software distillery +
PG029 CROSSWORD COMPILER Nice program for making crosswords! +
PG031 DARKSTAFF A spectrum emulated text adventure game +
PG032 DRAGONS CAVÉ great Dungeons game, nice graphics! +
PG034 ETERNAL ROME & DOMINOES 2 nice games on this disk +
PG035 ENIGMA MAZE Nice little maze game with 4 views of maze at once
PG036 FLASHBIR Over 200 levels in this boulderdash type game
PG038 GALACTIC FOOD FIGHT Fight through ice cream cones fruit etc +
PG046 HACK Great text adventure in the infocom style! +
PG047 HOLLYWOOD TRIVIA Nice trivia game with lots of questions! +
PG048 HOLY GRAIL A nice text adventure, one of the best +
PG052 LAMER GAME Similar to operational wolf shoot em up +
PG053 LARIN Another very well regarded text adventure game +
PG05455 LEARN & PLAY Great fun for the kids on two disks (2) +
PG056 LASERZONE Great old 64 classic shoot em up!
PG057 LEAPING LARRY Simple platform game done in Amos
PG058 LETTRIX Nice puzzle games similar to Tetris!
PG059 LOOP OF CONQUEST Excellent space trading game D&D style!
PG060 MARBLE SLIDE Puzzle game, builds slides up
PG061 MASTER OF THE TOWN SHOOT The signposts in this game
PG062 METAL IMAGE PACK 3 great games Gridrunner Invaders & Rebound +
PG063 MORIA Text adventure based around Dungeons & Dragons theme!
PG064 NAPOLEONIC WAR SIMULATOR A nice strategy type game!
PG065 NESTOR CAESAR Great wargame, before you're at 65
PG06667 NETHACK Dungeons & Dragon adventure style game, very popular! (2)
PG068 NO MAN'S LAND Hi tech war games shoot em up. +
PG069 NU GAME Shoot em up with good graphics, quite difficult!
PG070 PETERS QUEST Rescue the maiden in this fun platform game +
PG071 POM POM GUNNER Blast the enemy aircraft in this Beachhead clone +
PG072 PROPERTY MARKET Become a millionaire, before you're at 65
PG073 RAPHAELS REVENGE A turtles game done in SEUCK! +
PG074 RETURN TO EARTH Elite type space trading game! +
PG076 SEVEN TILES Superb futuresports speelball type game, Great!
PG078 SCUM HATERS Shoot em up done by Brazze Atkins in SEUCK +
PG079 SEALANCE A submarine strategy game seems very involved +
PG080 STAR TREK THE SHOOT! Another good quality Shoot em up +
PG081 SERENE II Follow up to the above game
PG082 SIMPSON'S GAME Vertically scrolling shoot em up done in SEUCK! +
PG085 STARFLEET Nice little game done in SEUCK! +
PG08667 STAR TREK The US version by Jim Barber, very good (2)
PG088 STAR TREK NEXT GENERATION Strategy game runs in Hires 1mg +
PG089 STAR TREK THE SHOOT! Another good quality Shoot em up +
PG090 SUBCULTURE Playable 1st level of a good shoot em up!
PG092 SWIV DEMO Superb demo of an excellent shoot em up!
PG093 TENNIS A good shareware tennis game! 1mg
PG094 TRAIN CONSTRUCTION Kit make your own track layouts! +
PG095 TREK TRIVIA For you Star Trek freaks, loads of questions!
PG096 TURCAN 2 PREVIEW Great demo of a superb shoot em up!
PG100 THE JAR Very nice little jump & run game!
PG101 THE INSIDERS CLUB Stocks & shares game, see how far you get
PG102 WATERMINES Nice boulderdash type game!
PG103 WET BEAVER Games Version of the old pong game! +
PG104 WONDERSOFT Games Golf, Conig, Missile, Trillion, Windmill etc!
PG105 WIZZY QUEST A very good arcade adventure game from Germany +
PG106 YELP Nice little painter type game!
PG107 ZEUS A very good & popular block puzzle game +
PG108 ASSASSINS 14 New Pack, China Challenge II & Amiga Columns!
PG110 SUPER CARD CHALLENGE Nice new car racegame! +
PG111 MIDNIGHT THIEF A nice text adventure game!
PG112 ULTIMATE CARD GAMES Cribbage, Blumemoon, Patience & Solitaire!
PG114 CHINA SHOP Great built in china shop game, smash everything in sight!
PG11519 NEXT GENERATION TRIVIA 5 disk game with loads of questions! (5)+
PG121 A500+ GAMES PACK 21 games to run on the A500+
PG123 LEMMINGOIDS Great game, blast the Asteroids (lemmingoids)?
PG124 TOTAL WAR great new "Risk" type game, ok on Plus! +
PG125 CARD SHARP 5 fab card games, Klondike, Demon, Castle etc! +
PG126 SKYFLYER Superb WWII shoot em up, great graphics! +
PG127 AIRMANIA Super platform game from Addware + chance to win prizes!
PG128 CHEAT WORKS Tremendous amount of cheats on this disk, very good!
PG129 PUGGLES Brilliant Q*bert style game! I get it! While you can!
PG130 BATTLEMENTS Conversion of the old 8 bit Hunchback game! +
PG131 ATLANTIS A nice looking strategy game! +
PG132 ASSASSINS 15 Battlecars, Mambamove & Lettrix! Great pack!
PG133 ASSASSINS 16 Wastelands, Mission X, Pacman & Diemnal!
PG134 ASSASSINS 17 Tomcat, Defenda, Jetman & Bugblaster!
PG135 ASSASSINS 18 Omegaforce, Henry in Panic, Skyfly & Megatron! Superb!
PG136 ASSASSINS 19 Growth, Bloxpop, Flight, Bip, Slider & Fantastic Freddy!
PG137 BALL LIGHTNING Pretty average platform game, (not dos 2)

EDUCATIONAL

PE0015 EDUCATION SET Science, Geography & more. Superb! (11+) (5) +
PE005 KIDSPANT Superb talking colouring book for the very young! +
PE007B LARN & PLAY 2 disks of educational programs, under 10s +
PE009 STORYLAND 2 Brilliant kids game, save toyland from the witch!! +
PE010 TOTAL CONCEPTS ASTROMOBY Fab interactive book on a disk. Get it! +
PE011 TOTAL CONCEPTS DINOSAURS Learn about the dinosaurs, fantastic! +
PE012 MR MEN STORIES Excellent for children learning to read +
PE013 SIMON & SPIEGEL Talking maths program for 8-10 year olds +
PE014 SPANISH, FRENCH, GERMAN TUTOR Translates all languages +

PE015 TREASURE SEARCH Help the pirate find that treasure! +
For more excellent educational software see the DeJa Vu listing

BUSINESS SOFTWARE

PB001 AMICASH Brand new bank management program. Very easy to use. +
PB0023 ANALYTICAL New unpacked and ready to use! (2 disk version) +
PB004 ASI LABEL PRINTERS All the best label printing programs on 1 disk +
PB005 BANKIN A complete cheque book analysis program. Keep tabs on cash +
PB006 BUSINESS CARD MAKER Make your own with this useful utility. +
PB007 CLERK Another program similar to Journal, manages your bank account.
PB008 DPT PUBLISHER From Germany, English translation now available +
PB009 FLEXYBASE DATABASE A simple to use database for the beginner. +
PB010 JOURNAL A nice program designed to keep track on your finances.
PB011 MISCELLANEOUS BUSINESS PROGRAMS Gettime, Grocery list, Calc
PB012 QBASE Database program, simple to use with full search facility.
PB013 QED A nice easy to use text editor program! Load, save, print. +
PB014 RIM DATABASE Very comprehensive relational database system.
PB015 TEXTPLUS V3.00 One of the best wordprocessors, inc. Amigaspell. +
PB016 UEDIT LATEST RELEASE Word processing shareware program. +
PB017 VISICALC SPREADSHEET Simple to use spreadsheet program based +
PB018 WORDWRITE WORDPROCESSOR Comprehensive wordprocessor, speller
PB019 600 BUSINESS LETTERS contracts, letters, allsorts included! +
PB020 TEXT ENGINE 3.0 New version! Superb quality wordpro. Get it! +
PB021 AMIBASE PROFESSIONAL NOW PD !!! Powerful easy to use Database +
PB022 BASE II fast & easy to use database program!
PB023 FORMS REALLY UNLIMITED Excellent form generation program +
PB024 LAST WILL & TESTAMENTS Lots of sample Last Wills! +

UTILITIES & SERIOUS

PU002 A-GENE Good genealogy program, to trace your family name. 1meg. +
PU003 A68K 68000 Assembler program for the Amiga rather difficult to use.
PU004 A64 EMULATOR NEW VERSION 2.0 of the C-64 emulator BRILLIANT!!!!
PU005 AMATEUR RADIO 1 Some programs of interest to the radio ham!
PU006 ANTIMATTER FINDER PACK A disk full of antineutrino pointers!
PU010 ARP 1.3 AmigaDOS replacement project, contains new libraries & more!
PU012 ASI GRAPHICS UTILS Great disk full of graphics converters etc +
PU013 ASI BOOT UTILITIES Loads of bootblock utilities on here. +
PU015 BIORYTHMS, STARCHART Check your Biorythms & Examine the night +
PU01720 C MANUAL II (4) New and better! Version 2 now comes on 3 disks! +
PU021 C-LIGHT RAY TRACER A commercial ray tracing package. Now PD!!!!
PU022 CHEMISTICS Chemistry program for molecule display etc! +
PU023 CHET SOLACE UTILS 26 utilities on this disk.
PU02532 CLIPART 8 disks crammed full of some of the best clipart around +
PU036 CURSOR BASIC COMPILER Just what you need to speed up basic pro-
PU037 D-COPY One of the best PD copy utilities available, easy to use. +
PU038 DARKSTAR UTILITIES 3 A disk full of assorted useful utilities.
PU039 DBW Good PD ray tracing program inc some pictures! C.I.J. Knowledge.
PU040 DEMOLISHER UTILITIES 168 easy to use utilities something for everyone +
PU041 43 DESKBENCH Nice alternative workbook, icons + bases (3)
PU045 DIRECT ACTION A useful utility for editing animation sequences.
PU046 DISKMASTER 3.0 CLJ Utility program, copy files, delete, format disks.
PU047 DOPE INTROMAKER Make your own intros with this utility.
PU048 DYNAMITE FONT II Another popular disk. Stacks of IFF fontscreens.
PU049 DYNAMITE FONTS Excellent fonts disk for use in Dpaint etc
PU055 ELECTROCARD PREVIEW If you're into circuit design try this now V1.4! +
PU056 EXILE FONTS More of these superb fontscreens. For use with DPaint +
PU058 FONTS AND RAM MANAGER Lots of fonts plus a software ram switch!
PU059 FOMAC AS SURFACER A useful fonts brushes new for use in Dpaint!
PU061 GENESIS DEMO Superb trashy, really good!
PU062 GRAPHICS UTILITIES Load of useful graphically orientated programs. +
PU063 HAMLAB Convert VGA PC pictures to Amiga ham mode with this utility. +
PU064 HARDWARE UTILS Some good utilities for hard drive owners. +
PU065 ICONMANIA Loads of programs for icon creation & many icons! +
PU066 ICONS THIS disk is just crammed with useful & varied icons. +
PU067 IMPLORDER V4.0 Very good crunching program, very efficient! +
PU068 INTERFERON PRO Create protective bootblocks against viruses.
PU069 JAZZBENCH A great alternative workbook much preferred by many!
PU071 JR COMM 1.02 Latest version of another superb comms package!
PU072 KEFRENES METALION UTILITIES Great util disk full of fonts & more! +
PU073 THE KING JAMES BIBLE Old testament & New testament & text reader (4)+
PU077 LANGUAGES DISK All you ever needed! 1 forth, Module 2, X-Lisp Logo!
PU078 M-CAD Computer aided design package uses hi res mode. Good. 1M. +
PU079 MACVIEW, DRAW, ROTATE Collection of three unusual programs. Good!
PU080 MESSE-SID Easy to use PC - Amiga file transfer program, Brilliant
PU082 MOBED A very useful program for editing sprites and boards.!! +
PU083 MUSE PROGRAMS Great disk full of Morse code programs for radio hams.
PU084 MYSTIX HARDWARE MODS Documents disk for hardware modifications.
PU0867 NORTH C 1.3 (2) A two disk unpacked version of above program. +
PU088 NORTH C 1.3 (Packed) The complete C compiler by Steve Hawtin!
PU089 PASCAL COMPILER Now becoming a popular language, now PD
PU090 PC EMULATOR Software PC emulator needs MS DOS to run! C.G.A. graph-
PU091 PENDING UTILITIES 1 An essential collection of over 200! +
PU092 PENDLE UTILITIES 5 Another great compact by the Red Devil.
PU093 PENDLE UTILITIES 6 includes copiers and more utilities
PU094 PENDLE UTILITIES 7 A very popular utility collection. Try it!
PU095 PRINTER DRIVER GENERATOR Design your own printer driver with this-
PU096 PRINTER DRIVER UTILITIES Various non-standard printer drivers.
PU097 PRINT STUDIO Great utility to accurate printout of pics, text. +
PU101 QUICKBENCH Another alternative workbook system, very clever this!
PU102 RAZOR 1911 Graphics rippers, Virus killers, Diskslav, powerpacker
PU108 ROT A simple 3D drawing package for your Amiga. Very popular. +
PU109 SCOPE 114 Structured clipart for desktop publishing etc! Page etc! +
PU110 SCOPE 115 Structured clipart for use in Professional page ETC. +
PU111 SID V1.6 The Newest version of the easy to use CLJ utility.
PU1123 SOMETHING FOR NOTHING 2 disk set full of video utils, fonts etc (2)
PU114 SOZOBAN C Another very popular C environment, similar to North C
PU115 ST EMULATOR Run Atari ST software on your Amiga. Needs 2 drives.
PU116 SUPER "C" DISK As near to a hard drive as mere mortals get!
PU117 SUPERKILLERS Kills 190 viruses, this is ESSENTIAL to your collection!
PU118 SUPER WORKBENCH Great alternative workbook system, very clever this!
PU1212 TV GRAPHICS Superb Dpaint backdrops and some great fonts. (2) +
PU124 ULTIMATE ICON DISK Contains Iconmaster, Iconlab, Iconmaster & icons +
PU125 ULTRAPANT V3 A nice paint package for IFF pictures! +
PU126 UTILITIES COLLECTION Another great collection of utilities about 100!
PU127 UTILITIES DISK 1 Another one for the collection. About 60 or more.
PU128 VECTOR DESIGNER A very comprehensive but difficult to use proggy.
PU12930 VIDEO APPLICATIONS (2) Programs for use with genlocks & videos! +
PU1323 WINDOWSBECH A Windows 3.0 Workbench2 lookalike, very nice. (2)
PU134 WORKBENCH HACKS Disk full of amusing workbook hacks!
PU136 ZX SPECTRUM EMULATOR Latest version now with sound too! 1 +
PU138 LAST HOPE PREVIEW where you've just erased a valuable file!
PU139 GRAPHICS CONVERTERS Convert graphics, format PD disks etc!
PU140 LITTLEBENCH At last a file copier etc for A500. (Dos 2 ONLY) +
PU1412 TAROT II Learn about your stars with this program, on 2 disks! +
PU143 OPTUTILS 1 Disk crammed with superb utilities! +
PU144 OPTUTILS 2 A second disk full of utilities! +
PU145 OPTICOMMS 1 Contains Noemm 1.921 Lharc, Zoo Arc etc with docs! +
PU147 BEATRIX POTTER Clipart converted from the PC. Lovely. +
PU149 ELECTRONIC PROTOTYPYPER DEMO version of a "Veroboard" designed!
PU150 FOOTBALL LEAGUE EDITOR Update league positions of your fan team!
PU151 BROTHERHOOD UTILS 1 Dcopy, Boot menu, Scenery, Qed (DOS2 ONLY) +
PU15256 CLIPART SET: A 15 disk set of all the best available in one set!
PU167 MULTI-PLAT Excellent data plotting program! Latest Version
PU168 MATHS ROCK A fantastic program of an incredible fractal fractal tracer
PU169 GELIGNITE FONTS Superb cut n paste fonts similar to Exile fonts etc!

PU170 P-SUITE Make your own disk catalogue with pictures! +

ANIMATIONS

PA001 AEGIS ANIMATIONS 3 anims, Juggler, Plane & Marilyn. +
PA028 AGATRON ANIMS 5 great short looped animations! +
PA029 APPECUS ANIMATIONS Great anim of an abacus (appecus??) +
PA030 BAD BIRD ANIMATION Not too bad this one. +
PA031 BASKETBALL A basketball player shooting a ball into the net. 1M +
PA032 BONGO ANIMATION Animation of a man playing the bongo drums. +
PA033 BUSY BEE CUTE Animation of a freaky bee. almost looks wooden. 1M +
PA034 CLOTHES PEG Bouncing clothes pegs and more. Not bad. 1M +
PA035 COOL COUGAR A cartoon style anim, tells the story of a cool Cougar. 1M +
PA036 CX1 SPACESHIP A cool sculpt 40 anim of a ship circling a globe. +
PA037 DART ANIMATION Good animation of a dart passing through an egg!
PA038 DRAGONS LAIR TIME WARP Animation of the cartoon game. 1M +
PA039 ERIC-S AMY VS WALKER Cute & sexy(?) squirrel chasing Walker. 1.5M
PA040 ERIC-S BATMAN A great animation featuring batman and the joker. 1M +
PA041 ERIC-S CYCOTE 2 This ones a corker, coyote up to this tricks 3M
PA042 ERIC-S COYOTE STRIKES BACK Not too good this time but popular. 1mg
PA043 ERIC-S MORE AEROTONS More humorous cartoon capers. Great 1M +
PA044 ERIC-S SHUTTLECOCK Two Space Shuttles playing with a satellite. 1M
PA045 ERIC-S STEALTHY II The Mig-29 and Stealthy bomber cartoon. 1M +
PA046 FRANKLIN THE FLY Great anim of a day in the life of a housefly! +
PA047 GHOSTBUSTER ANIMATION Anim on the popular ghostbusters theme.
PA048 GYMNAST ANIMATION Animation of a gymnast swinging on bars. 1M +
PA049 HAPPY ANIMATIONS HappyMan, TreeFrog, Windowman and Hammer.
PA050 HIGHLANDER SWORD ANIMATION Anim of a Scotsman dancing.
PA0534 LIGHT CYCLES (2) Huge animation from the Tron film. Fab. 1mg! +
PA055 LUXO TEENAGER Father & son lamp animation, excellent 1M +
PA056 MACAN This ones a bit better, more glossier this time round. 1M +
PA057 MAGICIAN Similar to the juggler anim, but not quite as glossy. 1M +
PA058 MINER A miner truck loading coals into a buggy to be taken away. 1M
PA059 MR POTATO HEAD Watch the potato man in cabaret! +
PA060 NEWTONS CRADLE ray traced animation, plus F-19 and Rocking chair +
PA061 PHAROAH ANIMATION An animation of a Pharaoh kings mask. +
PA064 PLANO ANIMATION This is an animation of a cartoon piano! +
PA06A PROBE SEQUENCE Probe investigates life forms on distant planet. 1M +
PA06568 REAL 3D (4) Superb demo of effects possible with Real 3D. 1mg! +
PA069 REAL TIME HORSES Demo of the animation package for deluxe paint. +
PA070 SHUTTLECOCK ANIMATION 2 shuttles playing with a satellite!
PA071 THE BOINGS Great anim of 2 Zebedee characters on springs. 1.5M ON+
PA072 THE JUGGLER The old classic animation that sold 1000s of Amiga's!
PA073 THE KNIGHT DEMO Animation of a knight climbing out of a book. 1M +
PA074 THE WALKER DEMO Helicopter attacking the walker. Film style. 1M +
PA075 THE WALKER DEMO II Walker Attacking the A200. Not bad. 1M +
PA076 UGLY MUG ANIMATION The ugly mug goes for a spin! +
PA077 UNICYCLE ANIMATION Excellent animation of a unicycle & a car! +
PA078 WINGS Superb quality red baron biplane animation. Very nice. 1M +
PA079 ZEUS BUST ANIMATION Animation of a golden bust rotatng! +
PA079 MR POTATO HEAD 2 Another great Chris Hill animation disk! +
PA080 LEMMINGS ANIMATION Great lemmings animation. Check it out! 1M
PA081 BUSTER DOUGLAS Digi anim of Busters not so famous moments! +

AGATRON ANIMS

AGA01 RED LOTUS Spinning down the road. Fantastic!!
AGA02 JET FIGHTER landing on a runway, basic anim +
AGA03 STAR TREK - Shuttle fly past - Great! 1m +
AGA04 KLANGON CRUISER Flying around your amiga screen!
AGA05 STAR TREK KLINGON fire torpedoes 1M +
AGA06 LOGO, plus a great star wars fly by animation. 1Meg
AGA07 STAR WARS FIGHTER doing loops etc 1m +
AGA08 STAR WARS, a great ani mfrom the movie (CLJ, Showanin)
AGA09 STAR WARS - Fighter fly by, impressive 1M +
AGA10 STAR TREK - Enterprise fly by, good. 1m +
AGA11 STAR TREK - Tank & Destroyer. Good. 1m +
AGA12 TRON ANIMATION - Not one of the best +
AGA13 ROBO A 1 nice ray traced robot waving 1m +
AGA14 STAR TREK Workbee & Reliant. 3 shots +
AGA15 LOTUS CAR, Billiards, & Jet Fighter animations! +
AGA16 STAR TREK Various anims from the star trek game. Good. +
AGA17 STAR TREK TWO ANIMATION Short but okay +
AGA18 STAR TREK - Enterprise fly by. Short anim. +
AGA19 BOND ANIM - Copier plus a car, not too amazing! 1 +
AGA20 HUEY D 2 A helicopter leaving a landing pad. Neat. 1m +
AGA21 ENTERPRISE DOCKING WITH SPACE STATION - WICKED!!! 1M +
AGA22 ENTERPRISE APPROACHING Another stunning anim 1M +
AGA23 FLEET MANOEUVRE Stunning animation, shows off your amiga! 1m +
AGA24 KUL PEN animation & Ping pong. Great! 1m +
AGA25 THE RUN, a superb car chase 1mg or over. 1m +
AGA26 SHIP ROCKING at sea, / enterprise leaves dock. 1m +
AGA27 BOOK OPENING Nice anim of a book opening. 1mg
AGA28 SHUTTLE & ENTERPRISE Fabulous animation by Richter. 1M +
AGA29 MILLENIUM FALCON The ship being chased - Excellent 1M
AGA30 HYPERSPACE animation & Landing animation 1m +
AGA31 PORSCHE anim of a rising out of a table 1 mg. +
AGA32 SPACE - Space probe flying away 1m +
AGA33 PROBE animation Bird of prey animation & Klingonhilt! 1m
AGA34 SPACE OFFICE - Star trek anim, a little bit short +
AGA35 SPACE PROBE, great anim of a probe zooming off 1m +
AGA36 BIRD OF PREY, loop the loop, excellent animation 1m +
AGA37 TOBIAS GOES KNAACKERS - Check this out! 1m +
AGA38 TOTALLY WICKED! 1 Shuttle & Enterprise (2 MEG - BUY ONE!!)

POWER ANIMS

PP0012 ANTI LEMMINGS (2) Absolutely brilliant animation! Get this now 12M
PP003 AT THE MOVIES Cute anim from Mr Schwartz featuring Amy squirrel 1.5
PP0047 AUTOMATED LIGHT (4) Fab ballstrat galactica type animation. 3M
PP005 YELP YELP YELP Great anim of a ship crashing into things. 3M
PP0112 DATING GAME (2) Superb new demo from Eric Schwartz. Get it. 3.5mg!
PP01315 DRAGONS LAIR (3) Three meg power demo with sound effects. Great!
PP016 GULF WAR ANIM Find out what happens to Hussein! Brilliant! 2mg!
PP017 JUGGLER II Juggler meets Ms Juggler. Great followup 1.5Meg
PP01820 LOST IN SPACE (3) Remember the old TV series? This is it! 1.2M
PP02128 LANDING (4) Tobias Richter Poweranim! Superb ray traced stuff. 4M
PP02527 STATION AT KHARN (3) Animation of a space station, nicely done. 2M
PP02833 UPGRADE (6) Wow! Camberwick Green meets the Amiga! GREAT 1.5
PP03435 VAUX KILLERS (2) An old but quite good 2mg demo. 2mg.
PP03637 WALKER DEMO (2) The 2 disk 2mg version of this classic demo.
PP03833 WAVE SAILING (2) A nice animation of a wave sailer! 1.5mg
PP04043 AT THE MOVIES II Brilliant, works on 1mg-3mg configurations! (4)+

DEMOS

PD001 AGONY DEMO Brilliant graphics in this game demo, show it to ST owners.
PD005 ALKOS 3D DEMO Shows you some effects that are possible with 3d. +
PD007 ANARCHY INSPIRATION IS NONE DEMO with super ray trace GFX
PD008 ANARCHY SYSTEM VIOLATION Classy demo Vector Bob Gix Cool!
PD010 ANARCHY DIGITAL INNOVATION Their latest and best, superb!
PD011 ANIMATORS MEGADEMO A nice new megademo from the Animators.
PD016 BUDBRAIN II Hilarious megademo, house music video & more
PD018 BUCKLE UP A fantastic demo based on fractal patterns. +
PD020 CRONICS MEGADEMO Includes the superb maddona demo and more!



NBS
UPD/F5, 1 CHAIN LANE, NEWPORT
ISLE OF WIGHT, PO30 5QA
0983 529 594

PD • 1-19 DISKS £1.25 EACH • 20+ DISKS 99p EACH
DEJA VU LICENSEWARE £3.50
UK - PLEASE ADD 50P P&P
EC +25P PER DISK • NON EC +50P PER DISK
Most orders dispatched same day!

ORDER BY POST: Send your order details together
with cheque/PO to any of the four UPD Distributors.
ORDER BY PHONE: Just pick up the phone and order
your goods by credit card. Most major cards
accepted.

DOMAIN SOFTWARE

BLITTERCHIPS
UP/D/F5, CLIFFE HOUSE
PRIMROSE ST, KEIGHLEY, BD21 4NN
0535 667 469



0021 CRONICS NEVERWHERE Superb 1 with a Real world demo & Madonna
0022 CRONICS NEVERWHERE Superb 2 with a nice plasma plus a kickin music!
0023 ALCATRAZ MEGADEMO Excellent, huge demo on 3 disks! + (3)
0026 CRUSADERS SPACE DELIRIA Fantastic music by Dr.Awesome!
0027 TRYTOBURNERS HUNT FOR RED OCTOBER Lovely filled vector demo.
0030 DEAD DANCE THRASH Amazing thrash metal soundtrack & wierd pics!
0032 DEVILS LABYRINTH Great new demo with some fab effects, RGBplasma
0033 DEVILS NO REALITY Another great multiplatform demo from Devils!
0038 E-P-C Incredible preview to a new game by Ocean, vectors, 1M!
0037/38 ERPLAND (2) Brill kalidescope patterns on this great demo! +
0039 FILL THE FISH Similar to pugs, but not quite as good. +
0041 FRACTION FUTURE VISIONS Super Aliens-type intro plus pictures +
0044 HORIZEN SLEEPING BAG Great multiplatform demo with vectors, music.
0046 IRAO DEMO Amazing demo of Saddam meeting President Bush!! +
0049/50 KEFFRENS MEGADEMO VIII Loads of filled vectors and music (2)
0051/52 KGB MEGADEMO (2) A great house music video & vector drummer
0055 MAGNETIC FIELDS HYSTERESIS Excellent vector graphics!
0056/57 MAGNETIC FIELDS SPACED OUT (2) demo with great music tracks
0058/59 MAXIMUM OVERRIDE (2) Very nice filled vector demo by TSB.
0061/62 MONTY PYTHON (2) Brilliant demo featuring lumberjack song +!
0065 MONTY PYTHON NUDGE NUDGE Another amusing sketch (1) 2!
0066 NEWTEK DEMO 3 excellent demo,take your machine to the limit(2)+
0066 PHENOMENA ECES A very good demo with light sourced vectors! +
0067 PHENOMENA INTERSPACE Is time linear? Get this to find out!
0068 PHENOMENA KINGMA Absolutely brilliant, one of the greatest +
0071 JOYRIDE Another absolute corker, a demo with great effects!
0072 PLASMUTEX KICKIN Soull/Soul music beats & wild copper plasma! +
0077 PMC ALPHA OMEGA An absolutely superb filled vector demo. +
0078 PUGGS IN SPACE A classic demo, the kids will love it.
0079 PRISONER DEMO Remember the old 60s series? heres the demo! +
0086 REBELS MEGADEMO II An old classic blast from the past! +
0087 SHAP A nice ENTERTAINMENT style music disk, good! +
0088 REBELS TRIPLE TROUBLE Some brilliant plasma effects here! +
0090/91 RAZOR RECTOR MEGADEMO (2) Still stood the test of time, good +
0093 SCOPEX CHROMIUM Superb demo with great graphics and music.+
0094 SCOPEX MENTAL HANGOVER One of the best demos of all time. +
0097 SILENTS GLOBAL TRASH This is a MUST for all demo freaks +
0101 UNREAL DEMO Superb graphics & sound in this great demo. +
0102 SIMPSONS BY DECAY With superb animation and a great music beat
0101 SIMPSONS EQUINOX Remix of the song & pics of ur fave Bart! +
0106 TECHNOFRIGHT A spooky demo with good music & effects!
0108 TOMSOFT TRIP TO MARS Very good 3D filled vector trip to mars
0109 TOMSOFT VIRTUAL WORLDS An absolute Epic! 1 best demo of the year
0111 UNREAL DEMO Superb graphics & sound in this great demo. +
0115 VANGELS DEMO Great music & superb colour cycld gtx. 1mg. +
0114 VECTRA SINKING DEMAND Really good filled vector demo. +
0116 WITH VECTORS TO HEAVEN New demo just in, check it out! +
0119 REBELS OUTLAND Latest demo from a prolific outfit! Excellent
0120 KEFFRENS GUARDIAN DRAGON A very nice new demo from Keffrens!
0121 DIVINO AUDIO MAGIC A limited edition collection of soundtrack programs!
0123 ITALIAN BAD BOYS MANGAD Japanese style cartoons & techno music!
0124 ANDROMEDA DECAYING PARADISE Very good vector demo & music! +
0125 RAY OF HOPE 2 Great megademo, good music & graphics!
0126 LEROY I Great pack inc. Substance, Shining vector, & more! +
0127 BESS SUBLIMINAL VISION Very heavy rave music & graphics!
0128 DIVINE INSPIRATION New music disk by Goldfire. Very good.
0129 RAZOR 1911 VOYAGE Another great party winner demo Super effects!
0130/31 ALCATRAZ ODESSY Awesome 5 disk space extravaganza! Brill! (5)
0135/6 CRONICS HARDWIRED Fab space anim with superb effects & music (2)
0137 ANGELS EVOLUTION DEMO Great psychedelic vectors & more!
0138 ANARCHY SEEING IS BELIEVING Brilliant demo with excellent music!
0139 CAPTAIN POWERS POWER & GLORY Very good demo with superb effects!
0140 CELSIUS 23 More VECTORS A Terminator intro - hundreds of vectors! +

MUSIC DISKS

0001 100 GREATEST 64 TUNES Over 100 classic 64 tunes immortalised! +
0004 ALCATRAZ THE POWER Excellent re-mix of the song by Snap.
0005 ALCATRAZ MORE THAN MUSIC A superb music disk well presented +
0007/8 49 AMAZING TUNES II (3) This ones a biggy loads of great music!
0010 AMEGA PARTY WINNERS FOUR EXCELLENT songs that won the party +
0012 AMAGAEUS CLASSICAL Super renditions of Eine Kleiner etc. +
0013 ANARCHY CAPTURED IMAGINATION Excellent music by 4-Met +
0014 BANGING RAVES Yeah! Pump up the music, kickin remix of house
0015 BEAST SONIX Scoopex present the music from Beast I, all tunes. +
0016 BEATLES SONIX Lots of Beatles music done in Sonix! +
0017 BEATMASTER 808 State Cubik and more of this type of music
0018 BEATMASTER I LOVE TECHNOLOGY More of the rave type music. +
0019 BRUNO'S MUSICBOX II This is a must! 2 Excellent music disks.
0020/21 BRUNO'S MUSIC BOX II More jazzfunk style music. Get it! +
0022/23 CLASSICAL MUSIC Great music of Bach, Handel etc from Rob Baxter. +
0030 DIGITAL CONCERT 2 Thirteen minutes of music, Doctor! in the house
0031 DIGITAL CONCERT 3 Another house music re-mix Great quality - Love it
0032 DIGITAL CONCERT 4 Four songs including Got to keep on - Brilliant!! +
0033 DIGITAL CONCERT 5 The Power, Koss, Keep Bustin Touch Me. Brill!
0034 DIGITAL CONCERT 6 Latest in the series, very good quality house music
0035/36 DIGITAL DEBUSSY Excellent! Clair de lune & more tracks +
0041 EQUIMANIA II Demo with a great dance music track and fab equalizers!
0042/43 EVIL FORCES Brand new mega audio house demo (swearing)(2) +
0046 GENESIS LAND OF CONFUSION A sample of the well known track.
0047/48 GERALD CEBRAL DELIGHTS (2) Excellent music disks.
0050 JARRE DOCKLANDS The keyboard wizard, sampled on your amiga. +
0052 KEFFRENS JUKEBOX This ones super! I lovely music with a Juke box! +
0058 MAGNETIC FIELDS CHIP FESTIVAL Crammed full of great chip music!
0059 MANIACS OF NOISE This is brilliant! A great stieve wonder type music!
0065 PHENOMENA MUSIC DREAMS 120 wicked songs by twins +
0066 PHENOMENA MUSIC DREAMS 2 Second in the series, more music! +
0067 POPEYE MEETS THE BEACHBOYS Great demo very funny! +
0069 RAZOR FACE ANOTHER DAY This is an incredible music track!!
0070 RHAPSODY IN BLUE Great conversion of Gershwin by Rob Baxter! 1M
0071/72 SILENTS BLUES HOUSE (2) Tangerine Dream style music & game! +
0073 SILENTS FULL POWERHOUSE II up music. Inc Remix of tricky disco. +
0074 SOUND OF SILENTS This is a must! 1 Great atmospheric music track!
0078 TECHNOTRONIX REMIXES Pump Up the Jam and Get Up!
0079 TECHNOTRONIX REMIX The songs remixed into one great track!
0080 THE SOUNDS OF GNOME Mahoney and Kaktus music. 46 great tunes.
0082a/2b VIVALDI - FOUR SEASONS (2) Superb 4 Seasons by Mr Baxter! 1M
0087/88 HIS MASTERS NOISE Even better than the sounds of gnome II(2)
0089 HORN CONCERTO A superb concert from H.Gannon
0092 PIANO TUNES 3 great Protracker tracks from Andy Chilton! +
0093 UTAI SAINTS REMIX What can you do for me remixed by Tony Hilton! +
0095 HARDWARE III Brilliant techno dance tracks.
0096 LUD ZEPLIN Rendition of Stairway to heaven - other tracks. Great!
0098 ERASURE MIX Remix of erasures top songs.
0099 ERASURE MIX Fantastic 4 disk music set with Simpsons anim! +
PM104 500 THINGS COMEBACK 4 great rave tracks, very well done! +
PM105 KEFFRENS MEGAMIX (2) Fabulous dance music, Amazing quality +
PM107/8 PIC MEGA MUSIC VOL.1 A large selection of popular tunes, good(2) +
PM109/10 PIC MEGA MUSIC VOL.2 A huge selection of good tunes(2) +
PM110/11 PIC MEGA MUSIC VOL.3 And yet another great selection(2) +
PM112 TECHMANIA II Eight essential hardcore tunes for ravers, out there +
PM113 PROTON GATES OF TIME 6 nice pieces of music on this disk! +

SLIDESHOWS

PM001 ADDAMS FAMILY The Addams family started when Uncle Fester ... +
PM002 ADVANCE HAM A collection of brilliant digitised pictures with music +

PS003 AGATRON 5 Some superb HAM pictures, created by Tobias Richter. +
PS004 AGATRON 6 Incredible 4096 color ray traced S/S. Get this one! +
PS005 AGATRON 8 Excellent HAM pictures, with some good music too. Mega!
PS006 AGATRON 9 More of Richters superb works, again based on Star Trek. +
PS007 AGATRON 12 Some more great pictures on this new disk. +
PS008 AIRCRAFT SLIDE Lots of pictures of fighter aircraft. +
PS009 ASTRONOMY SLIDE Nice pics of constellations, galaxies nebulae etc! +
PS013 BORN TO BE FREE Picture of wild animals this time. Very good quality. +
PS014/15 BUTTERFLIES (2) High quality slideshow of butterflies, by WS +
PS016 C4 ART Lots of picture screens from the good old Commodore 64.
PS017 CHAINSAW SLIPPERS This one is Great, the pictures are naff but Mad! +
PS019 COLOURCYCLES A slide of colour cycled pictures. Very impressive. +
PS023 DEMONS II A quality S/S from C-Dryk of Demons, with music
PS025/26 DIVINE VISIONS (2) A S/S of Mythological gods with music. +
PS030 FRACTION FUTURE VISION Great fantasy S/S, fab for to res. +
PS031 GARFIELD Digitised S/S of the cartoon hero by Jim Davis. +
PS032 GENOCIDE great fantasy slide with unusual fads & wipes & soundtrack.
PS033 GERMAN RAY TRACE High quality ray traced pics by a german artist. +
PS045 KELLY S/S Some excellent quality HAM pictures. +
PS052 NAGEL PICTURES Hires pictures of girls, very arty. +
PS056 NEWTEK DYNAMIC HAM A S/S of Newteks new 640x512 4096 colors +
PS057 NEXT PIXILUM Very nice pictures all done in Dpaint plus some music.
PS058 NIGHTBRED Yucky S/S from the film. Music suits the pictures! +
PS059/60 NIGHTMARE ON ELM STREET S/S great for all Freddy fans (2) +
PS062 NW DYNAMIC HAM More from the Nik Williams series.Superb quality. +
PS066 PANSI AUDIO MAGIC A limited edition collection of soundtrack programs!
PS064 PHOTOMONTAGE I S/S on various subjects very nicely done. +
PS065 PHOTOMONTAGE II Another great slide of various subjects. +
PS066 POP STAR PICS Piccies of Mel & Kim, Madonna, Curiosity & PSB +
PS067 RICK PARK'S ART Paint style pictures all done in Hi Resolution. +
PS068 ROGER DEAN Digitised pictures by the artist all in HAM mode. Good. +
PS069/70 SILENTS CH 42 (2) This is superb, slides plus a great music track.
PS072 SUPER HAM CARS Superbly digitised S/S in Interlaced HAM. Mega!
PS075 TOTAL RECALL Music and pictures from the Arnie's Sci fi film. Great! +
PS082/83 WRESTLE MANIA (2) Collection of picture and animations. Good!
PS084 WWF WRESTLERS Pictures of Hulk Hogan and the rest of 'Em. Great! +
PS086 SONIC DYNAMIC HIRE'S 5 Superb 4096 colour pics on this disk! +
PS087 ALTERED DECEPTIONS Superb disk of pictures from Chris Hill! +
PS088 EVOLUTION SLIDE Pics from one celled life to humanity?? +
PS090 FRACTALGEN Great fractal landscapes & star studded skies+ music! +
PS091/2 FRAC TAL MOUNTAINS Superb 2 disk set of fractal pictures! +
PS093 YANISH 3D Awesome 3d ray traced picture disk! +

MUSIC UTILITIES & MIDI

PT001 ALGORITHMS Midi program for synthetic music creation.
PT002 ART OF MED Disk full of Med music scores. +
PT003 ASI AUDIO MAGIC Collection of soundtracks and ripping progs!
PT004 AUDIO MAGIC I Limited edition collection of soundtrack programs!
PT005 CASIO CX EDITOR Superb program + 250 patches for Casio CX series. +
PT006 DELUXE MUSIC DATA Some scores need midi synths (Deluxe music)
PT007 FUTURE COMPOSER A chip music sequencer. Complex to use, but good
PT008 GAMES MUSIC CREATOR A music sequencer, similar to soundtracker.
PT009 IFF SAMPLES Great samples taken from the Kawai 1 digital synth!
PT010 JAMCRACKER Four channel chip music sequencer. Handles samples
PT013 MED 3.2 Very latest version of this superb sequencer. Great! +
PT014 MED MUSIC DISK Some nice med music on this disk +
PT015 MIDI DISK Contains lots of useful midi programs for synth owners +
PT016 NOISETRACKER Music sequencer used by the pros. Slacks of functions
PT017 NOISETRACKER-EXECUTEABLE Convert modules to executables
PT018 PERFECT SOUND SAMPLER Nice sample edit program with samples!
PT019 ROLAND D110 - S220 Converter program, convert Roland samples to IFF.
PT020 SAMPLES DISKS ST-01 To ST-10 Various disks available ring for details!
PT021 SOUNDTRACKER 2.6 New release of this popular program, new editor
PT022 SOUNDTRACKER A superb four channel sequencer. Easy to use
PT023 SOUNDTRACKER COMPILED Compilation of tracker type programs
PT024 ST-80 BEAST SAMPLES Lovely new sample edit program with samples!
PT025 ST-92/93 SAMPLES DISKS Studio quality samples. Excellent!!!! +
PT029 YAMAHA DXT VOICE FILE PROGRAM FOR DXT series synthesizers
PT030 YAMAHA DXT VOICE SORTER For the above program.
PT031/23 ST-87 - 89 3 disk full of great samples! +
PT0345 ST-87 & 89 2 more great disks full of samples! +
PT036 SAMPLE MAKER Allows you to create samples without a sampler! +
PT039 PROTRACKER 2.0 New version of well known music program!

AMOS PUBLIC DOMAIN

APD062 + ARCADIA A nice version of the popular breakout game
APD076 + RAINBOW WARRIOR Paint with coppers and save them out!
APD083 + AMOS PAINT V3.7 Nice paint package in 2-64 colors.
APD085 + REVERSI & SNAKES & LADDERS 2 well known games
APD096 + PAIR IT Match the cards to make a pair easy to play 1mb
APD103/4 + PICK UP A PUZZLE Solve jigsaw puzzles, 3 difficulty levels
APD110 + CROSSFIRE Nice game, keep the kids occupied for ages.
APD115 + BALLYONOLLO Good version of the classic 'Bomber' game.
APD130 + THE WOODEN BALL A shareware game 1mb
APD132 + FAMILY HISTORY DATABASE Nice geneology program 1mb.
APD137 + TILE TRAIL Sliding tile puzzle to solve within a time limit
APD148 + DEMOLITION MISSION Another version of popular bomber game.1mb
APD176 + DEBATABASE MASTER V2.0 Nice database program, needs 1mb.
APD180/1 + DUNGEON DELVER Roam round mazes collect keys etc (2 disks)
APD182/3 + PIXIE KINGDOM Another good exploration game on 2 disks
APD190 + BLACKBELT Chop the blocks in this martial arts game
APD229 + AMOS MULTIPANT Another Amos paint program!
APD230 + AMOS ASTEROIDS Four versions of the asteroids game.
APD231 + ROCK YOUR ROCK A nice puzzle to solve in a large world 1mg
APD237 + SHAPES Very nice little puzzle game.
APD257 + CASSETTE LABELLER + MIXED SOURCE Make your own cassette s
APD271 + WIZARDS DOMAIN Nicely done graphical adventure game
APD284 + AMOSAGRAM Nice anagram program.
APD292 + WAR OF THE FOUR A shareware graphic adventure game
APD293 + GRAND PRIX SIMULATOR Not a race game,more of a simulation.
APD314 + BLACKJACK TRAINER A nice new blackjack game.
APD318 + BOING Get Herbert back home to his village!
APD325 + HANGMAN V2 Hangman game with editor!
APD326 + HYPERBALL Latest version of woodenball, an excellent game!
APD329 + FRUIT MACHINE Quite a nice little fruit machine program!
APD333 + AMERICAN FOOTBALL RADIO VERSION You are a football coach!
APD334 + SNAKE IN THE GRASS Collect white mushrooms, avoid toadstools!
APD340 + KARATE WORM Very nice platform game, jumping over worms etc!
APD343 + SAVE THE TREES Stop the baddies destroying the trees!
APD347 + NOTEBOOK Easy to use notebook & shopping list program!
APD351 + ARCHIVIST 2.0 Demo version of a useful database program!
APD359 + CROSSFIRE V2.0 Demo version of a very powerful database!
APD362 + SQUATS REVENGE Operation wolf type game!

DeJa Vu Licenseware - £3.50 Per Title

LPD01 + COLOURING BOOK Colour in the nursery rhyme pictures
LPD02 + ARC ANGEL MATHS An educational game to help kids with maths
LPD03 + GALLEONS Follow up to the popular daylight II game.
LPD04 + THINGAMAJIG Superb jigsaw style game for kids, easy to use
LPD05 + JUNGLE BUNGLE Icon driven adventure game for the kids
LPD06 + PUKADA & SPRITES Avoid all the baddies as you remove the tiles
LPD07 - FOUR WAY LYNX A 22 level puzzle to tiles to a call center tile
LPD08 + WORK & PLAY 3 really good educational games on this disk.

PUBLIC DOMAIN DISKS ONLY ...



PER DISK !

THIS OFFER ONLY APPLIES WHEN
YOU BUY 20 OR MORE DISKS !

LPD10 - THE WORK FACTORY Great program helps the kids to spell
LPD11 + GO-GETTER A card game where you have to pass go.
LPD12 + HYPNOTIC LANDS catch balls coming down four different lanes
LPD13 + JIGMANIA A jigsaw solving puzzle & a jigsaw construction kit
LPD14 + PLAY IT SAFE For the very young, helps to teach safety at home
LPD15 + ARC ANGEL SHAPES Make pictures from a variety of shapes
LPD16 + REVERSI II New improved version of Reversi
LPD17 + DOORIGHT II Up to an 8 player shootem game. Great!
LPD18 + TOUCHSTONES An Ishido type game played with tiles
LPD19 + X-IT-50 Shoot objects across the screen
LPD20 - WORDY A basic Amosware wordprocessor program, quite good
LPD21 - QUINGO Great quiz game in which you play Bingo
LPD22 + LC10 FONTS New fonts for your Star LC10 / LC200 printer
LPD23 + ESP Collect the letters ESP
LPD25 - THE MISSION A great text adventure written in Hisoft basic
LPD26 + CYAD Collect the diamonds in this puzzle game
LPD27 + FLOWER POWER grow flowers before bugs munch them away.
LPD28 - BUDDBASE Simple to use database with tutorial
LPD29 + BIG TOP FUN 4 great educational games for younger children
LPD30 + SHYMER Nursery rhyme adventure game for young or old.
LPD31 + CLIP PRINTER DUMP Prints a screen dump of the screen display
LPD32 - HARD DRIVE MENU SYSTEM Has menu of over 3,800 items.
LPD33 + CREATIVE ADVENTURE TOOLKIT Procede stand alone adventures
LPD34 + INVOICE PRINTER Quick production of invoices on paper
LPD35 + T-TECHNICAL Technical drawing program with print facilities
LPD36 + FRACGEN II Great fractal program generator
LPD37 + ROCKET MATHS Help children in maths with this game
LPD38 + AMOS ART Contains lots of fonts,bobs,sprites & scenery blocks
LPD39 + MAGIC FOREST II Great sideways scrolling platform game
LPD40 + SPRITE BANG EDITOR Makes sprites really easy to use
LPD41 + RESCUE A 3D adventure game done with 3D construction set
LPD42 + X-STITCH Print out pics for embroidering, with documents
LPD43 + LAZERZONE Shoot the aliens in this addictive shootem
LPD44 + FORMULA ONE CHALLENGE Strategy road racing game. V.Good
LPD45 + MUSIC BOX A music program for children of 7 upwards.
LPD47 + DIRTY CASH Our most popular game! Fruit machine simulator
LPD49 + MARVIN THE MARTIAN Find your girlfriend in this maze game
LPD51 + MAGICAL YOUNG ARTIST Contains 30 stencils to colour in!
LPD52 + LC24-200 FONTS Installs fonts for Star series printers!
LPD55 + SPRITEX V1.32 New super editor, superior to original editor!
LPD56 + CTEXT V1.23 and 1.3 for programmers, use icon bank based fonts!
LPD57 + KIDDIES CLIPART Another nice clipart disk!
LPD58 + LOOKS KEYS & ENEMIES Hunchback game! Brilliant, just get it!
LPD59 - THE PREHISTORIC FUN PACK Four dinosaur games for kids
LPD60 + TECHNO NAIL Fire slime at the enemies - Great platform fun!
LPD61 + THE FINAL CHAPTER 3D graphics adventure. Very good!
LPD62 + REVOLUTION Four player game that get to the top of the Screen 1st!
LPD63 + WILBERTS WINTER WONDERLAND Excellent platform game - Get it!
LPD64 + RESCUE II Totally wicked 3D vector game - GET IT!!!!
LPD65 + POWER PLANNER Personal organiser - Keep trackof your life!
LPD66 + HOTEL MANAGER Similar to monopoly - Brilliant!!!!
LPD67 + CYADONIA (CYAD II) Boulderdash clone - collect the diamonds
LPD68 + VIRUS BUSTER Very good new virus killer disk, needs 2 drives!
LPD69 + MAGICAL MIX UP Puzzle game, sort out the mixed up pictures!
LPD70 + PAINTBOX Childrens painting package to color in or draw
LPD71 + BATTLECARS Car racing game for two players, really addictive!!!
LPD72 + MONSTER ISLAND Brilliant role playing game for kids.
LPD73 + AMOS DATABASE V3.0! Simple & easy to use with lots of functions
LPD74 + SOUR GRAPES 3D isometric game. You must get your enemy drunk!
LPD75 + VIDEO LAB Simple to use video titling package for home videos
LPD76 + T-TECHMAZE Excellent puzzle type game switch games on/off
LPD77 + POWERBASE 2.1 Powerful database system with a host of features.
LPD78 + SPECTRA & CHEATSLIST Logic puzzle game & a list of cheats
LPD79 + MUSIC ENGINE Play MED/ST/NT modules without converting them
LPD80 + ICON BANK EDITOR Manipulate icons in the same way as sprites
LPD81 + POOLS PRO Program to help you fill in your pools coupons

LATEST LICENSEWARE DISKS NOW IN STOCK CALL FOR MORE DETAILS ...

United Public Domain Licenceware

● **OLBERATION** The Ultimate ShootEmUp. A cross between Turrican & asteroids, has received more rave reviews than I've had Chicken Nuggets. Utterly addictive - You'll love it! Cost £3.50

● **VIDEO TITLES** Easy to use titling package for video users, uses any amiga workbench font, with full load & save - Excellent + Cost £3.50

● **TOTAL CONCEPTS DINOSAURS** This is the first in a new series. Total concepts is an interactive encyclopedia that lets you explore the world with pictures and information on a profusion of subjects. This title is based on the ancient world of the Dinosaurs. Plus Compatible. Supplied on 2 Disks, Cost £4.50

MORE TITLES AVAILABLE SOON CALL FOR DETAILS



RAY OF HOPE 2 - PRETTY
DECENT DEMO !



IMPLODER 4.0 A POWERFUL
CRUNCHING UTILITY



MEGABALL - ONE OF THE
SUPERB PD GAMES



TEXTPLUS
WORDPROCESSOR



MESSYS II & SID
THE PERFECT UTILITY !



PROTRACKER - THE BEST
SEQUENCER AROUND !



BRUNOS MUSIC BOX I
GREAT INTRO !



WHEEL OF FORTUNE ON
LEARN & PLAY !



BART SIMPSON IN
FULL EFFECT !

IMPORTANT: A500 PLUS+ OWNERS

ALL OUR LISTS & CATALOGUES NOW CONTAIN THE '+' SIGN
FOR FULL COMPATIBILITY WITH THE NEW A500 PLUS !

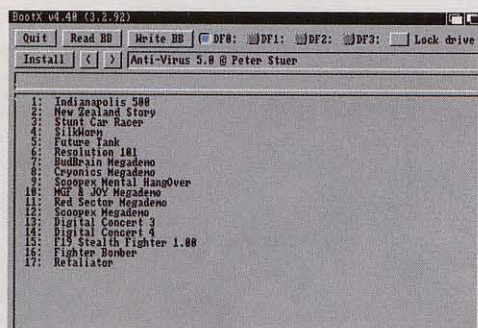
SO BUY WITH CONFIDENCE... FROM UNITED PD DISTRIBUTORS !

IF YOU DONT SEE THE PROGRAM YOU WANT HERE,
GIVE US A CALL, WE WILL DO OUR BEST TO LOCATE IT
FOR YOU.

REMEMBER: WE STOCK FISH, NOW UP TO 600, TBAG,
SCOPE, AMIGOS & MORE - CALL FOR DETAILS ...

START
UP/D/F5, 20 HOLMESIDE
SUNDERLAND SR1 3JE
091 565 2506





BootX 4.4 has a number of prerecorded bootblocks, but to use it properly you should archive your whole collection.

There are plenty of other programs on the disk, like *Sysinfo V2.58* (for finding out what's inside your Amiga without taking the lid off); *FEA* or *FindEmAll*, a small utility for examining and installing bootblocks on a disk; *ZeroVirus III*, the old stalwart of a virus checker that is still (a couple of years after it was released) the most user-friendly virus killer; and *VT2.26*, a German virus killer that has been partly anglicised by Marco Van den Hout. All of them backed up by lots of documentation and handy hints about viruses (including a couple of phone numbers to call for help when hunting viruses).

You want the best virus killers? Get the *New Superkillers*, and support the programmers whose efforts can save you the trouble and strife that viruses bring.

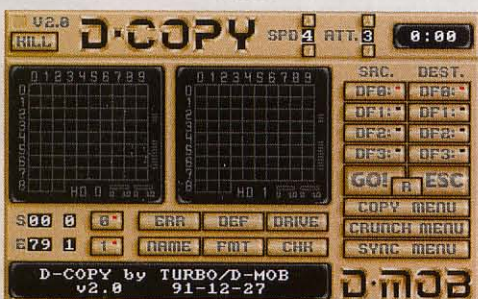
ULTIMATE BOOTBLOCKS

17 BIT 1655

You want as many bootblocks as possible? Well that's all that is on these two disks – they're crammed to the gills with bootblocks and related programs. Fairly easy to get into, but there's a lot to learn. Enough said.

DCOPY 2

VIRUS FREE PD 2302



Coloured in tasteful sepia, D-COPY 2 gives an easy display of disks when it's copying them. Takes a while to learn.

Another update, this time it's a Public Domain copying program. While a lot of software houses really frown on this sort of program, the fact of the matter is that you can't use this or similar programs to copy commercial software without specialised knowledge and lots of time.

So what's it good for? For one thing, it's fast at copying standard disks – much faster than Workbench. Also, it can copy non-standard disks (often used for PD demos) with only a slight drop in speed.

The one problem with it is that the documentation is hidden away – you have to dig with Workbench to find it. If you can't be bothered, then expect to spend a long time fiddling with the program to make it work. Pretty front end though, and very useful once you get the hang of it.

TEXTPLUS V3.0EN

17 BIT

If you want a cheap word processor with lots of features, then *TextPlus* is for you. It comes with the PD spelling checker *AmigaSpell version 2.0* (written by Mike Berro) for correcting the typos in your documents. Do remember, though, that *AmigaSpell* has to be worked on to get it right for your individual tastes.

The real addition to this continually updated program is an AREXX port, with over 100 commands. So you can set up *TextPlus* to process hundreds of files, and get on with your life in the meantime.

Other new features include the ability to load crunched files (most word processors just cannot do this); and *TextPlus* will autosave. This means that your work is saved to disk every so often without you having to lift a finger from your keyboard. The program can also save text files with icons, to make them easier to find – and help is available from inside the program.

There's a lot of other features to, like footnotes, multiple documents and so on, but one of the most useful is the facility for sending command sequences to your printer. You know those odd codes in your printer manual, for selecting different fonts and colours? The program can pump them into your printer (not serial printers though) so that you can get the best out of today's printers.

All things considered, this is the best shareware word processor I have ever seen. Well done Martin Steppeler. However, it may be a little over complex for some people, so it's lucky that there is an alternative...

TEXTENGINE V3

VIRUS FREE PD 2171

Nicholas Harvey didn't want to spend loads of money on a word processor, so he wrote his own. *TextEngine* is a cut to the bones, really simple word processor – but it does the job as fast as possible.

New features of this update include Macros, a merge file facility (although you can only add things to the end of a document – you can't merge into the middle) and a cut-and-paste facility that can hold about two pages of text, to plonk them down wherever you want them.

The real addition, though, is that the programmer has put a set of gadgets to click on, down the left side of the screen. These are used for common commands, like loading and saving a file. A nice touch. *TextEngine* is very unsophisticated, but for knocking out the occasional letter it's still very hard to beat, because it is so simple.

Also included on the disk are *MiniTool* (for changing between PAL or NTSC screen modes – handy for flight sims because NTSC is faster) and *AZ Spell* for checking the spelling of documents.

LSD GRAPEVINE EIGHT

17 BIT 1660

There are plenty of disk magazines in the Amiga PD, but the best ones are done by PD coding groups (or crews, or teams, or whatever you want to call them). LSD have done an excellent job on this one.

Rather than being the usual "few programs plus a bit of waffle" in a naff front end, *Grapevine* has a very pretty and easy to use front end, packed with information about coding groups, who is doing what and with whom, and so on. It also gives dates and ticket addresses for forthcoming copy parties. There's some really irritating Jean Michel Jarre tunes on there too.

The real core of the magazine, though, are the classified adverts. These range from simple messages to



Ever wanted to get in touch with the people behind the demos? *Grapevine* can give you the contacts!

whole 32 colour screens, asking for new contacts for graphics, music, and machine code. If you want to get a "behind the scenes" look at the Public Domain, get this disk and start contacting.

Most PD groups are elitist to an extreme, and tend to label anyone who shows a severe lack of knowledge as a "lamer". Don't let them put you off – everyone was a lamer once!

The reason for this elitism is that when the early Amiga pioneers (way back in the mid 1980s) were busy asking questions, there was no one to give the answers; so a lot of present-day experts don't see why they should give away information that it cost them a lot of pain and frustration to get. Socially backward, but like I say, understandable.

CONTACT LIST:

All the Public Domain programs and utilities reviewed here can be obtained from the following PD libraries.

17 BIT: PO Box 97, Wakefield, West Yorkshire, WF1 1XX. 0924 366982

NBS: 1 Chain Lane, Newport, Isle of Wight, PO30 5QA

POLLYSOFT: 1 Bryant Avenue, Southend-on-Sea, Essex SS1 2YD

VIRUS FREE PD: 31 Faringdon Road, Swindon, Wilts, SN2 2LS

TOP TEN UTILITIES OF THE MONTH

Every month, we look at the best-selling utility and game PD disks from a particular library, so you can see what's popular...

SOFTWARE EXPRESSIONS

- 1 Desk Top Publisher
- 2 Text Engine 3
- 3 Amy At The Movies 2
- 4 New Superkillers
- 5 Amibase Pro II
- 6 Mixolydian
- 7 Storyland
- 8 Fwuff
- 9 Lady and the Tramp
- 10 Mental Image Games

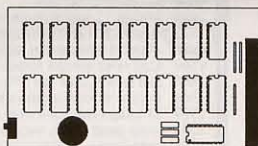
Credit Card Hotline
Tel: 0276 676308

Virgo
DEVELOPMENTS

Innovation House,
Albany Park, Frimley,
Surrey, GU15 2PL.
Fax: 0276 676309



Amiga A500 RAM CARDS



V500: 1/2Mbyte expansion.

Upgrade your Amiga A500 to 1Mb. Chip/fast ram compatible, gold plated connector, On/Off switch.

**ONLY
£19.99**

V501: 1/2Mbyte expansion + Clock.

As V500 + Battery backed real time clock

**ONLY
£24.99**

V1500: 1 1/2Mbyte expansion + clock.

Fully CHIP ram compatible, expanable in 1/2 Mb stages, complete with GARY connector & full instructions.

**V1500 1.5Mb
ONLY
£69.99**

V2000: 2Mbyte expansion + clock.

Upgrade your Amiga A500 to 2.5Mb. Expandable in 1/2Meg stages, compatible with Kickstart 1.2 & 1.3, On/Off switch, gives 1Mb of chip ram + 1.5 Mb fast ram if required. Comes complete with Gary connector & full installation instructions.

**V2000 bare board
£37.95
V2000 + 2Mbyte
ONLY £97.50**

V4000: 4Mbyte expansion + clock.

Upgrade your Amiga A500 to 4.5 Mb. Same as V2000 but gives an additional 4Mb of fast ram or 3.5Mb fast + 1Mb chip ram

**V4000 bare board
£59.00
V4000 + 4Mbyte
ONLY £188.00**

NEW! For The Amiga A500 Plus

Memory Expansions :

V1000 bare board	£16.99
V1000 1Mb expansion	£42.99
Kickstart ROM Swapper	
switch from th keyboard	£24.99
Kickstart 1.3 ROM	£29.95
Kickstart 2.04 ROM	£39.99
Swapper + Kickstart 1.3	£49.99

NEW! NEW! NEW!

Now available for the A500 & A500+ the V8000, 8.0Mb external memory expansion.
Prices from £169.00, Phone now for details.



3 1/2" LOCKABLE DISK BOXES

10 Capacity	5 for £5.95
40 Capacity	£5.62
80 Capacity	£6.99
100 Capacity	£8.34

3 1/2" DSDD Disks, 2 for 1 guarantee including disk labels. **£5.45 for 10**

Dispatch within 24 hours
Callers Welcome
Cheques, Postal orders to Virgo
Developments at above address.
Express Courier delivery
(UK mainland only) £6.50
Call 24 hours 7 days a week
Prices may change without notice

All prices include VAT, postage & packaging. No hidden charges

DATASTREAM PD

Tel: 0276 677099

Open 10.00 to 20.00 Mon - Sun

GAMES

- G0153 Air ace ii
- G0125 Air warrior
- G0368 Amos-Defence
- G0386 Asteroids
- G0423 Auto bahn 3000 +
- G0551 Arcadia
- G0487 Atic atac
- G1093 Battleforce
- G0549 Battle pong
- G0434 Block it
- G0398 Castle of doom
- G0602 Cave runner
- G0729 Chess
- G0973 Cubulus
- G0194 Dark staff
- G0675 Downhill Skiing
- G0441 Drip
- G0399 Dungeon master extravaganza
- G1866 Electric train set
- G0945 Emerald mine 2
- G0855 Flascheiber
- G0684 Frantic freddy
- G0998 Fruit machine
- G0196 Ghost ship
- G0360 Golden fleece
- G0721 Imperium
- G0128 Jetman
- G0241 Legotris
- G0270 Lettrix
- G0693 Llamatron
- G1006 Lore of conquest
- G0989 Master of the town
- G0367 Megaball
- G0657 Missile command
- G0743 Monopoly
- G0832 Napoleonic war simulator
- G0450 No man's land
- G0488 Pacman 87
- G0798 Paranoid
- G0911 Pom pom gunner
- G0033 Quattro
- G0154 Return to earth
- G1184 Scramble
- G1001 Scum haters
- G0867 Sealance (sub sim)
- G0195 Seven tiles
- G0346 Simpsons
- G0962 Space Invaders
- G0198 Star trek (1M)
- G0049 Star trek (2 drives)
- G0830 Star trek C
- G0362 Star trek next generation
- G0293 ST bash
- G0892 Super skoda challenge
- G0227 Tennis
- G0889 Tetris
- G1950 Trivis
- G0122 Twintris
- G0973 Wizzy's quest
- G0583 Xenon

UTILITIES

- U0389 A-Genie (1M)
- U0354 Amibase
- U0532 Arp (WB1.3.2)
- U1644 Bankin
- U2066 Biorythms
- U2036 Business card maker
- U1424 Catalogue maker
- U0256 C64 emulator
- U1774 C Manual
- U2088 C:Commands
- U2050 C-Light
- U1412 Cursor Basic Compiler
- U1213 D Copy
- U1732 Deskbench
- U0167 Desk top Publisher
- U0278 Dice
- U0397 Diskmaster
- U0204 Diskprint
- U1275 Draw Map
- U1552 Electrocad
- U2849 Flexibase
- U2532 Fortran 77
- U2359 GFX
- U1782 Home Utilities
- U1091 Icon Magic
- U0830 Interferon Pro
- U0367 Journal
- U1548 JRComm
- U0972 KO The Virus
- U1040 Last Hope
- U1634 Littlebench
- U1522 Master Virus Killer
- U0354 Mead
- U0675 Med (2)
- U1837 MessySid
- U0928 MSH (MessyDOS)
- U1069 NComm
- U1982 Nib Copier
- U0755 North C
- U0134 Picturesque
- U0626 P Suite
- U0958 QL Emulator
- U0075 Quickbase
- U0683 Quickbench (1M)
- U0494 Red Devil
- U1394 Rim Database
- U1677 Sid
- U0851 Spectrum Emulator
- U0649 Speedbench (1M)
- U1579 Spellchecker
- U0398 Starchart
- U1540 Super Killers
- U0736 Textplus Word processor
- U0873 Transformer
- U0652 Turbo Imploder
- U0435 Visicale
- U1314 Windowbench
- U1225 Word frenzy

ANIMATIONS

- A0152 Amy vs Walker (1M)
- A0035 Batman (1M)
- A0134 Bugs Bunny (1M)
- A0068 Dragon's Lair (1M)
- A0172 Fractal Flight (1M)
- A0089 Fighter Plane (1M)
- A0197 Iraq (1M)
- A0046 Star Wars (1M)
- A0051 Walker 1 (2M, 2D)
- A0146 Walker 2 (2M, 2D)

MISC

- M0047 Amateur Radio
- M0093 Bible (4D)
- M0128 Business letters
- M0129 Mandelbrot
- M1478 Generator
- M0748 Morse
- M0749 Starchart
- M0058 Tarot (2D)
- M0077 Typing Tutor

Disk Prices:

1 to 10 disks £1.20 each
11 or more disks £1.00 each
Note (2D), (3D) means 2 disks or 3 disks etc.

DEMOS

- d0482 Addams Family
- d0373 Agony Demo
- d0256 Alcatraz (3D)
- d0348 Amaze
- d0136 Another five ways to kill a mole
- d0423 Beastie Boys
- d0213 Budbrain (2D)
- d0246 Budbrain 2
- d0258 Cronics (1M)
- d0189 Deadly Pursuits
- d0266 Elvira
- d0344 Fillet the Fish
- d0523 Five ways to kill a mole
- d0465 Franklin the Fly
- d0287 Laurel and Hardy (2D)
- d0149 Legend of Billy the Kid (1M)
- d0230 Monty Python (2D)
- d0377 Probe sequence
- d0295 Puggs in space
- d0173 Pink Floyd The Wall (6)
- d0253 Red Sector (1M, 2D)
- d0345 Shark (1M)
- d0297 Shuttlecock (1M)
- d0169 Simpsons Demo

ORDERING

Ordering by Post:

Please write down the catalogue number for the disks that you require, send them with your name, address and payment made out to "DATASTREAM PD" to:-

Payment

Please make cheques and postal orders payable to "DATASTREAM PD" or phone with your credit card number. ALL prices include VAT and P&P.

VISA



Datastream PD, Innovation House, Albany Park, Frimley Surrey, GU15 2PL

Coolen Computer Services

£1.20 per disk
Buy 10 disks
get one free.
P & P 50p

30, Cooleen Ave,
Newtownards,
Co. Down
BT23 3UZ
Telephone:
(0247) 811091

Send cheque, P.O. or phone your Access/Visa No.
24 Hour dispatch on cleared funds.

Utilities

Messysid 2	(WBII)
PC Emulator needs MSdos	(WBII)
QuickBench	(not WBII)
WindowBench	(not WBII)
JazzBench	(not WBII)
SuperWorkbench	
SpaceWriter	
Graphics Management (2 disks)	
SuperKillers	(WBII)
C64 Emulator autoboot	(not WBII)
Crossword Puzzle Creator	
Crunchers & Copiers	
PowerPacker	(not WBII)
IconMania	
D-Print Fonts 2	(WBII)
Fonts & Surfaces	(WBII)
Graphic Utilities	
Darkstar Utilities	
Virus Killer Disk	
Ants Utility Disk	
Printer Utilities	
Print Studio	(WBII)
Gelignite Fonts I	(WBII)
Converters	
Fractal Generator	

Fred Fish & TBAG in stock
Hundreds more Discs available
If you have any problems using discs
please phone and we will try to help.

Games

Education Pack	(WBII)
Kids Paint	(WBII)
Collosus text adventure	
MegaBall	(WBII)
WackoJR in Wonderland	(not WBII)
Lazer Zone	
Merv the Merciless	(not WBII)
Snake Pit	(not WBII)
The Maze	(not WBII)
Llamatron	
Chinese Checkers	
Wastelands	
Agony	(WBII)
Games comp. 1	7 games
Games comp. 2	7 games
Games comp. 3	8 games
Games comp. 4	6 games

Music

Flash Music
Delicate Sounds
Do the Bartman remix
Keyboard Legends
Jean Michel Jarre Live:
Journey into Sound

Business

Wordwright wordprocessor
Rim database
Visicalc spreadsheets

**Reach the top
with.....**

LCL

Self-Tuition Courses

World leaders ● Hons graduate/teacher authors ● In educational software charts. ● Excellent reviews ● £5 off total for 2, £10 off for 3, £17 off for 4.

MICRO ENGLISH (8 years - GCSE)

NEW SERIES

New complete course teaching spelling, reading, writing and oral with real speech, 24 programs and a book and a manual. (Also for EFL) £24.

MICRO MATHS (11years- GCSE)

NEW SERIES

Best selling GCSE maths course in UK. For ages 11 upwards in 24 program options plus a book and manual. £24.

READING WRITING COURSE (3 - 8 years)

NATIONAL CURRICULUM (A.T. 1-5) 24 program course teaching reading, writing & spelling with a book, manual and voice tape £24.

PRIMARY MATHS COURSE (3 - 12 years)

Complete course with full screen colour graphics. NATIONAL CURRICULUM (Levels 1-4). 24 programs + a book and a manual £24.

MICRO FRENCH (Beginners - GCSE)

NEW SERIES

Complete course with real speech & graphics adventure game, 24 programs + a book and a manual. £24

MEGA MATHS (A level course)

Step-by-step course of 24 programs + a book and manual. Full screen graphics for calculus £24.

"New Series" courses have games-style graphics & music
Most LCL courses run on most computers
(PC, ST, BBC, Arc)

**A500 PLUS
OR AMIGA**

**Phone now
for immediate
despatch**

(* LCL courses are compatible with the N.C. in so far as it has been finalised)
Send coupon and cheques/PO's (+99p P&P) or phone orders
or requests for free colour poster/catalogue to:

**LCL (DEPT AMF) THAMES HOUSE, 73 BLANDY ROAD,
HENLEY-ON-THAMES, OXON RG9 1QB**



or ring 0491 579345 (24 hrs)

VISA

Name.....
Address.....
Title.....
Computer.....

**ALL DISKS
STILL ONLY
99p EACH**

Anglia PD

(*) = 1 Meg

(P) = Works on A500 and A500 Plus

**Catalogue Disk (P)
only 70p - Includes a
superb Scenery
Generator!**

DESKTOP VIDEO PACK (P) 4 DISKS £3.96
Outstanding collection for video producers, includes Rolling Credits, Slideshow, Video Backgrounds, Special Effects, Pattern Generator and more!!

HOME MANAGEMENT PACK 3 DISKS (P) £2.97
Calendar, Mortgage, Spreadsheet, Grammar, Mileage, World Time, Budget, Chequebook, Database, Typing Tutor, Typewriter, Grocery, List Maker, Home Banking.

CLIPART PACKS 1, 2 OR 3 EACH PACK = 5 DISKS £4.95
3 different packs of 5 disks, all full of the very best clipart for DPaint etc. (P)

FONTS PACK 1 OR 2 EACH PACK = 5 DISKS \$4.95
2 different packs of 5 disks, pack 1 contains: Publisher fonts, various fonts, fonts disk 2, Cosmopolitan fonts, large fonts (loads of great fonts for DPaint etc.) (P)

ANGLIA COLOURFONTS (P) 5 DISKS £4.95
5 disks full of original colour fonts produced here at Anglia. These are 16 colour fonts - not cut and paste! They are produced in the same way as the chisel font supplied with DPaint and the Kara range of commercial fonts! They are typed straight in and work with DPaint and TV Text.

UTILITIES PACKS 1, 2, 3 OR 4 EACH PACK = 5 DISKS £4.95
4 different packs with all the utilities you will ever need! Pack 1 contains: Cher Solace disk (26 utilities), Diskmaster v3.0, Darkstar Utilities 2, 3 & 4.

EDUCATION PACK 1 (P) 5 DISKS £4.95
German, Globe, Geotime, Drawmap, Evolution, Clouds, Formula, Airfoil, Gravity Sim, Weather, Wave Maker, World Data Bank and more!! (This pack is one of our best sellers and is incredible value for money).

ASTRONOMY PACK (P) 4 DISKS £3.96
Star Chart, Amigazur, Deepsky, Gravity Well, Grav Sim, Orbit, Planet.

PRINTER USER PACK (P) 4 DISKS £3.96
Essential for all printer owners! Includes: Label Designer, Label Printer, Printer Driver Generator, Print Studio, Plus More!

FRACTALS PACK (*) (P) 4 DISKS £3.96
If you want to explore fractals then here's everything you'll need! - CPlot - SMan - Mandelbrot - Polygons - ZPlot - Fractal Lab - Mandamin - Mandelblitz - Polysysexamples - Julia - FCS - Mandelmountains

PUZZLES PACK II (*) (P) 2 DISKS £1.98
Superb new pack for fans of crossword type puzzles, includes: Wordsearch - Reader - Wordhat - Wordgame - Crosswords - CWP - Scrazzle - Disearch

SIMULATIONS PACK (*) (P) 5 DISKS £4.95
All of the best PD simulations in one pack! Metro - Be a city planner, King Oil - you are J.R.! Nuke - Nuclear arms race, Imprium Romanum - Grab ancient Mediterranean power, Sealance - Save the world with your nuclear sub, Truckin - Run your own trucking company, DC10 - Learn to fly a DC10 jet, Lore of Conquest - Two players: take over the galaxy! Invaders Club - Superb stockmarket simulation, Air Warrior - Take your pick from a huge range of aircraft with this excellent flight simulator!

EASY BUSINESS PACK (P) 5 DISKS £4.95
All programs included are powerful but easy! Includes: Text Engine V3 (The very latest wordprocessor), Spread V1 (Spreadsheet), QBase (Simple Database), BBase II (Good Database), Bank (Great accounts package), X-Spell (Spell checker), Print Studio, Business card maker.

INTERMEDIATE BUSINESS PACK (P) 5 DISKS £4.95
Wordright (Wordprocessor including Mail Merge and Macros!), S-Calc (Good Spreadsheet), Amibase Pro 2 (Stunning PD Database - New!), Amigaspell (Spell Checker), LS Label (Infinite label control), Messysid V2 (Amiga File Management & PC File Transfer), Amiga Fox (Desktop Publishing)

DISK EXPERT PACK (P) 5 DISKS £4.95
If you want to learn more about your Amiga, get this pack! - You'll be a disk expert in no time! Includes Power Packer (Easy file compacter), Sid (Brilliant CLI Replacement Tool!), Iconmania (Change any icon in seconds), Fixdisk, Viruschecker V5.3, D-Copy (Copies, Repairs, Formats and more), CLI Tutorial (All you need to know) and 202 other utilities!!

"C" PROGRAMMERS PACK (P) 6 DISKS £5.94
A complete "C" language and superb instruction manual provide all you need to learn the "C" language, includes North C (2 disks) and the C Manual (4 disks)

MED V3.2 MUSIC PACK (P) 4 DISKS £3.96
MED is widely recognised as the best music package, PD or otherwise!! This pack contains V3.2, the latest version complete with loads of digital samples, a disk full of MED music scores and some great MED music to load and play! Listen to what your machine is capable of!

500+ CLASSIC GAMES PACK (P) 5 DISKS £4.95
All of the best original arcade games which work on all Amigas! Includes: Missile Command, Scramble, Space Invaders, Pac Man, Asteroids and loads more!

CARD & BOARD GAMES 2 (P) 4 DISKS £3.96
Includes Chess, Sorry!, Cluedo, Patience, Draughts, Othello, Dominoes, Mastermind, Pontoon and many others!

HARD DISK USERS PACK 3 DISKS £2.97
Easy Backup, Mr Backup, DSD Park, Kwick Backup, Click Dos II, Fix Disk, FMS Disk, Sectorama, Disk Perf, AHDM (A hard disk menu)

Please note all pack disks may be bought singly at 99p!
SINGLE DISKS AT ONLY 99p!

BUSINESS
B301 Bank (Excellent home banking package) (P)
B303 Flexibase (Good DBase with form designer) (P)
B321 Amigafox (English Desk Top Publishing) (P)
B322 600 Business Letters (Superb! - Ready to use) (P)
B324 Q Base (The perfect database for beginners) (P)
B314 Business Card Maker (Design Your Own)
B330 Amicash (P) (Superb new bank account manager)
B331 QED (P) (Very good wordprocessor for beginners)
B332 U-Edit V2.6H (P) (Latest and greatest word pro)
B333 Amibase Professional 2 (P) (Now PD! - Super database)
B334 (P) Appointments (never miss one! Let your Amiga behind you)
B336 (P) Calendar Maker (easy to make & print - includes excellent calculator!)

B337 (P) Findex (an easy database with good search facilities).
B338 (P) Calc V1.2 (very nice spreadsheet with enough features for anyone)
B327 (P) Text Engine V3 (great looking wordprocessor, easy yet powerful)

UTILITIES
U402 Master Virus Killer v2.1 (The best Virus Killer)
U413 Sid v1.6 (makes you a master of CLI) (P)
U416 CLI Tutorial (Learn all about it) (P)
U417 Demolisher Utilities (over 200 utilities on one disk) (P)
U437 D-Copy (P) (As good as X-Copy)
U471 X Copy III (PD version of commercial prog: Save £30!!)
U478 Typing Tutor (New! Great features) (P)
U494 Pascal (2 disks - brilliant language) (P)
U495 Viruschecker V5.3 (P) (The latest - For the plus too!)
U496 Messysid V2 (P) (Reads and writes PC disks)
U497 A500+ Utilities (P) (For the A500+ only!)
U498 TurboTutor (Add subtitles to your videos!)
U499 S-Movie (P) (Smooth scrolling video titler)
U4004 (P) Pools Predictor (significantly improves your chances)
U4005 (P) Turbo Imploder (squeeze loads more onto a disk)
U4006 (P) Fancy disk label designer (the best around, in colour too!)
U4007 (P) Disk Optimiser (brilliantly simple! Any disk loads up to 15 times faster)

GAMES - (*=IMEG)
G6012 Backgammon (P) (Great version of a great game)
G6013 Chess Tutor (P) (improve your skill) includes a full chess game!
G6014 Ultimate Card Games (P) (Cribbage, Hearts, Bluemoon, Patience and Solitaire)
G6015 Super Skoda Challenge (P) (New car race game)
G6017 Star Trek Next Generation (P) (Strategy Game)
G6018 Dominos and Connect 4 (P) (Good versions of the originals)
G6019 A500+ Games (P) (21 Games for the Plus!)
G6021 (P) Tanx (great fun! get it now - you won't be disappointed)
G6022 (P) Cluedo (100% accurate version of the board game)
G6023 (P) American Football Simulator (very addictive)
G6077 Amigoids (The best Asteroids game) (P)
G625 Drip! (*) (You must get this classic game!) (P)
G624 Blizzard (*) (PD's best shoot em up) (P)
G689 Pom Pom Gunner V2 (Latest - New levels) (P)

CHILDRENS
C701 Learn & Play (2 disks - superb education for 4-10yrs) (P)
C704 Simon Says/Space Maths (P)
C705 Treasure Island X marks the spot - with speech!)
C706 Snakes & Ladders (Classic board game fun)
C707 Pair It! (*) (Match the cards - great fun!) (P)
C708 Crossfire (*) (Hectic arcade game) (P)
C709 Pixie Kingdom (2 disks - save the pixies) (P)
C710 Number Fumbler (sliding block puzzle) (P)
C712 Colour Pad (New colouring book for youngsters) (P)
C713 Peters Quest (P) (Lots of fun platform game)
C714 Storyland II (Brilliant kids game)
C715 (P) Composer (simply superb music maker for 12yrs +)
C716 (P) Snake in the Grass (great game for under 12s)
C717 (P) Frogger! (frantic frog fun for under 10s)
C718 (P) Centipede (wonderful graphics, brilliant game for ages 8 to adult!)



**FISH DISKS IN
STOCK 350-600
ONLY 99p EACH!**

**DEJA-VU
IN STOCK 1-80
£3.50 EACH!**

PUBLIC DOMAIN SOFTWARE

ANGLIA PUBLIC DOMAIN LIBRARY
(Dept AMF), 115 Ranelagh Road, Felixstowe, Suffolk, IP11 7HU

TELEPHONE 0394 283 494



Simply phone your order through or send a cheque/postal order. Please add 60p to cover post and packing.

AMIGA FORMAT

17

MAY 1992



EAGLE SOFTWARE

118a Palmers Road
New Southgate
LONDON N11 1SL.

(10 am - 6pm 6 days)

Tel: 081-361 2733/5730
(2733 Faxline after 6pm)

FREE
MYSTERY
GAME
WITH ORDERS
OVER £50



ST & AMIGA BUDGET TITLES UNDER £10

1 Meg Cricket (Amiga only) ..	\$7.99	Dragon Ninja	\$6.99	Platoon	\$5.99
3 Stoges	\$6.99	Fantasy World Dizzy	\$6.99	Predator	\$6.99
3D Pool	\$6.99	F16 Combat Pilot	\$7.99	Rambo III	\$6.99
Afterburner	\$6.99	Gauntlet II	\$6.99	Red Heat	\$6.99
Altered Beast	\$6.99	Ghosts'n'Ghosts	\$6.99	Resolution 101	\$6.99
Arkanoid (Amiga only)	\$4.50	Hard Drivin'	\$6.99	Road Blaster	\$6.99
Babel	\$6.99	Head over Heels	\$6.99	Rocket Ranger	\$8.99
Barbarian	\$5.99	Hitch Hiker's Guide to Galaxy	\$7.99	R-Type	\$6.99
Barbarian II	\$6.99	Hong Kong Phooey	\$6.99	Run the Gauntlet	\$6.99
Batman Caped Crusader	\$6.99	IK	\$6.99	Shadow of the Beast (Amiga)	\$6.99
Batman The Movie	\$6.99	Impossible Mission II	\$6.99	Sherman M4	\$6.99
Beach Volley	\$6.99	James Pond	\$6.99	Shinobi	\$6.99
Blood Money	\$6.99	Jet Set Willy	\$6.99	Shuffle Puck Cafe	\$6.99
Cabal	\$6.99	Kid Gloves	\$6.99	Speedball	\$7.99
California Games	\$6.99	Last Ninja II	\$6.99	Strike Force Harrier	\$6.99
Carrier Command	\$8.99	Lionce to Kill	\$6.99	Stunt Car Racer	\$6.99
Celica GT4 Rally	\$6.99	Lombard RAC Rally	\$6.99	Super Hang On	\$6.99
Centrefold Squares	\$6.99	Manic Miner	\$6.99	Switchblade	\$6.99
Cloud Kingdom	\$6.99	Michael Jackson Moonwalker	\$6.99	Teenage Mutant Turtles	\$6.99
Colossus Chess	\$6.99	Moonside Racers	\$6.99	Thunderstrike	\$6.99
Conflict in Europe	\$7.99	New Zealand Story	\$6.99	Toobin'	\$6.99
Continental Circus	\$6.99	Ninja Rabbits	\$6.99	TV Sports Football	\$6.99
Defender of the Crown	\$7.99	Nitro	\$6.99	Vigilante	\$6.99
Def of the Earth	\$6.99	North & South	\$6.99	War Zone	\$6.99
Deluxe Strip Poker	\$6.99	Out Run	\$6.99	Waterloo	\$6.99
Double Dragon I or II	\$6.99	Operation Wolf	\$6.99	Wings of Fury (Amiga only)	\$6.99
				Wizball	\$4.99
				WC Leaderboard	\$6.99
				Xenon II	\$7.99

TOP TITLES	ST	AMIGA
Half Meg Upgrade + Clock	N/A	\$25.99
World Series Cricket	N/A	\$16.99
3D Construction Kit	\$29.99	\$36.99
A320 Airbus	\$26.99	\$26.99
Abandoned Places	\$19.99	\$19.99
Action Stations	N/A	\$17.99
Addams Family	\$16.99	\$16.99
Advantage Tennis	\$16.99	\$16.99
Agony	\$15.99	\$15.99
Air Support	\$15.99	\$15.99
Alien Storm	\$16.99	\$16.99
Alpha Waves	\$16.99	\$16.99
Altered Destiny	N/A	\$21.99
Another World	\$18.99	\$18.99
AMNIO	\$15.99	\$12.99
Amos 3D	N/A	\$23.99
Amos Compiler	N/A	\$19.99
Amos The Creator	N/A	\$36.99
Armouredgeddon	\$15.99	\$15.99
Armouredgeddon Upgrade	\$10.99	\$10.99
ATOMINO	\$12.99	\$12.99
ATWSOME	\$12.99	\$12.99
Back to the Future III	\$10.99	\$10.99
Back to the Golden Age	\$16.99	\$16.99
BARBARIAN II (Psyq)	\$12.99	\$12.99
Bar's Tale III	N/A	\$16.99
B.A.T. II	\$22.99	\$22.99
Battle Chess	\$15.99	\$15.99
Battle Chess II	\$16.99	\$16.99
Battle Command	\$15.99	\$15.99
BATTLE HAWKS 1942	\$8.99	N/A
Battle Isle	\$18.99	\$18.99
BATTLE MASTER	\$19.99	\$11.99
Battle Squadron	N/A	\$7.99
Betrayal	N/A	\$8.99
Big Run	\$16.99	\$16.99
Billiard Simulator II	\$16.99	\$16.99
Birds of Prey	\$23.99	\$23.99
Blue Max	\$19.99	\$19.99
Blues Brothers	\$16.99	\$16.99
Boston Bomb Club	\$16.99	\$16.99
Brain Blast	\$16.99	\$16.99
Buck Rogers	\$19.99	\$19.99
Cadaver	\$16.99	\$16.99
Cadaver - the pay off	\$10.99	\$10.99
Captive	\$15.99	\$12.99
Cardiacc	\$17.99	\$17.99
CARTHAGE	\$15.99	\$12.99
Carve Up	\$15.99	\$15.99
Centurion	\$16.99	\$15.99
Chaos Strike Back	\$16.99	\$16.99
Champion of the Raj	\$9.99	\$9.99
Chase HQ	\$6.99	\$6.99
Chase HQ II	\$14.99	\$14.99
Chinto's Revenge	\$16.99	\$16.99
Chuck Rock	\$16.99	\$16.99
Cisco Heat	\$15.99	\$11.99
C.Y.'s Air Combat	\$20.99	\$20.99

TOP TITLES	ST	AMIGA
Code Name Iceman 1 Meg	\$14.99	\$26.99
Cohort	\$20.99	\$20.99
Conan the Cimmerian	\$21.99	\$21.99
Covert Action	\$23.99	\$23.99
Crazy Cars III	\$21.99	\$21.99
Crime Wave	\$16.99	\$10.99
Cruise for a Corpse	\$17.99	\$17.99
CyberCon III	\$16.99	\$16.99
Darkman	\$15.99	\$15.99
Days of Thunder	\$15.99	\$8.99
Deilverance	\$15.99	\$15.99
Demoniak	\$19.99	\$19.99
Deuterios	\$14.99	\$14.99
Devious Designs	\$16.99	\$16.99
Disciples of Steel	\$17.99	\$17.99
Double Dragon III	\$16.99	\$16.99
Dr Dooms Revenge	\$9.99	N/A
ELF	\$15.99	\$15.99
Elvira Mistress of Dark	\$21.99	\$21.99
Elvira II Jaws of Cerberus	\$23.99	\$23.99
Epic	\$15.99	\$15.99
Eye of the Beholder	N/A	\$19.99
Eye of the Beholder II	N/A	\$20.99
F14 Tom Cat	\$18.99	\$18.99
F15 Strike Eagle II	\$23.99	\$23.99
F117A Stealth Fighter	\$21.99	\$21.99
F19 Stealth Fighter	\$19.99	\$19.99
F29 Retaliator	\$15.99	\$15.99
Face Off - Ice Hockey	\$15.99	\$15.99
Falcon III	\$23.99	\$23.99
Fantastic Voyage	\$23.99	\$23.99
Fate of Atlantis (Adventure)	N/A	\$17.99
Fate of Atlantis (Arcade)	N/A	\$17.99
Federation of Free Traders	\$6.99	\$6.99
Feudal Lords	\$16.99	\$8.99
Final Blow	\$16.99	\$16.99
Final Fight	\$16.99	\$16.99
Final Samurai	\$16.99	\$16.99
Flight of the Intruder	\$16.99	\$22.99
Floor 13	\$19.99	\$19.99
Football Crazy	\$16.99	\$16.99
Future Baseball	\$16.99	\$16.99
Fuzzball	N/A	\$13.99
G-Loc R360	\$16.99	\$16.99
Gauntlet III	\$16.99	\$16.99
Geisha (X-cent)	\$16.99	\$16.99
Gettysburg	\$18.99	\$18.99
Godfather	\$18.99	\$18.99
Gods	\$16.99	\$16.99
Golden Shot	\$16.99	\$16.99
Graham Gooch Cricket	\$21.99	\$21.99
Graham Taylor	\$19.99	\$19.99
Grand Prix (Formula 1)	\$23.99	\$23.99
Gunship 2000	\$21.99	\$21.99
Hard Drivin II	\$15.99	\$15.99
Harlequin	\$16.99	\$16.99
Harpoon (1 Meg)	\$19.99	\$19.99
Heart of China	\$24.99	\$24.99

TOP TITLES	ST	AMIGA
Heimdall	\$23.99	\$23.99
Hero's Quest (Grenlin)	\$16.99	\$16.99
Hill Street Blues	\$15.99	\$15.99
Home Alone	N/A	\$23.99
Hook	\$15.99	\$15.99
Hudson Hawk	\$15.99	\$15.99
Hunter	\$15.99	\$15.99
I. Bothams Cricket	\$19.99	\$19.99
Indy Heat	\$16.99	\$16.99
Interceptor	\$26.99	\$26.99
Ivanhoe	\$6.99	\$6.99
Jack Unlimited Clipart	N/A	\$10.99
Jahangir Khan's Squash	\$8.99	\$8.99
Jimmy White's Whirlwind	\$19.99	\$19.99
John Barnes	\$16.99	\$16.99
John Madden's Football	\$16.99	\$16.99
Kick Off II (1 Meg)	\$15.99	\$15.99
Kick Off II (5 Meg)	N/A	\$14.99
Kick Off Winning Tactics	\$9.99	\$9.99
Kid Gloves II	\$16.99	\$16.99
Killing Cloud	\$11.99	\$11.99
KILLING GAME SHOW	\$15.99	\$12.99
Kings Bounty	N/A	\$8.99
Kings Quest IV	\$14.99	N/A
Kings Quest V	\$26.99	\$26.99
Knight Mare	\$16.99	\$16.99
Knight of the Sky	\$23.99	\$23.99
Last Ninja III	\$16.99	\$16.99
Leader	\$15.99	\$15.99
Leisure Suit Larry II	\$14.99	\$25.99
Leisure Suit Larry III	\$25.99	\$25.99
Leisure Suit Larry V	\$26.99	\$26.99
Lemmings	\$15.99	\$15.99
Lemmings - Data Disk	\$13.99	\$13.99
Lemmings - Stand Alone	\$15.99	\$15.99
Logical	\$16.99	\$20.99
Lord of the Rings	N/A	\$20.99
Lost Patrol	\$15.99	\$15.99
Lotus Esprit	\$15.99	\$15.99
Lotus Turbo Challenge II	\$16.99	\$16.99
M1 Tank Platoon	\$19.99	\$19.99
Magical Garden	\$16.99	\$16.99
Magical Pockets	\$15.99	\$15.99
Magnetic Scroll	\$19.99	\$19.99
Man Utd. Europe	\$15.99	\$15.99
M. Dika Ultimate Football	\$18.99	\$18.99
Mega-Lo-Mania	\$20.99	\$20.99
Megatraveller II	\$20.99	\$20.99
Megawatts	\$16.99	\$16.99
Mercenary III	\$20.99	\$20.99
Merchant Colony	\$20.99	\$20.99
Microprose Golf	\$23.99	\$23.99
Midnight Resistance	\$6.99	\$6.99
Midwinter II	\$23.99	\$23.99
Mig 29 Fulcrum	\$21.99	\$21.99
Mig 29M Super Fulcrum	\$25.99	\$25.99
Might of Magic III	N/A	\$19.99
Moonfall	\$15.99	\$15.99
Moonstone	\$21.99	\$21.99
Monkey Island	\$15.99	\$15.99
Monkey Island II	\$16.99	\$16.99

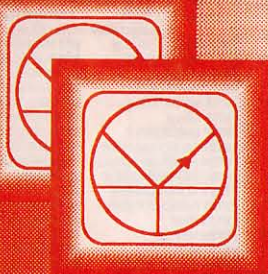
TOP TITLES	ST	AMIGA
Mystical	\$15.99	\$15.99
Myth	\$15.99	\$15.99
Narc	\$15.99	\$15.99
Navy Seals	\$15.99	\$15.99
Nebulus II	\$15.99	\$15.99
Neighbours	\$16.99	\$16.99
Nightshift	\$10.99	\$16.99
ORBITUS	\$12.99	\$12.99
Operation Thunderbolt	\$6.99	\$6.99
Ork	N/A	\$15.99
Outrun Europa	\$16.99	\$16.99
Pacific Island	\$20.99	\$20.99
Pang	\$15.99	\$15.99
Paperboy II	\$16.99	\$16.99
Parasol Stars	\$15.99	\$15.99
Pegasus	\$16.99	\$16.99
PGA Golf Tour +	N/A	\$20.99
PGA Courses Disk	\$10.99	\$10.99
Pinball Dreams	N/A	\$15.99
Pitfighter	\$16.99	\$16.99
Plotting	\$15.99	\$15.99
Populas-Sim City	\$21.99	\$21.99
Populous II	\$20.99	\$20.99
Predator II	\$9.99	\$9.99
Prehistorik	\$16.99	\$16.99
Prince of Persia	\$15.99	\$15.99
Puzznic	\$15.99	\$15.99
QUEST AND GLORY	\$20.99	\$20.99
Railroad Tycoon	\$24.99	\$24.99
Rainbow Islands	\$6.99	\$6.99
R.B.I. 2 Baseball	\$20.99	\$20.99
Realms	\$20.99	\$20.99
Red Baron	\$23.99	\$23.99
Red Zone	\$15.99	\$15.99
Renegade (Coin-op Hits)	\$6.99	\$6.99
Rise of the Drago	N/A	\$24.99
Robin Hood	\$16.99	\$16.99
Robocop	\$15.99	\$15.99
Robocop	\$6.99	\$6.99
Robocop II	\$14.99	\$14.99
Robocop III	\$15.99	\$15.99
Rod Land	\$16.99	\$16.99
Rollin' Ronny	\$15.99	\$15.99
R-Type II	\$16.99	\$16.99
Rubicon	\$15.99	\$15.99
Rugby World Cup	\$15.99	\$15.99
R.V.F. Honda	\$6.99	N/A
Secret of the Silver Blades	\$21.99	\$21.99
Secret Weapon Luftwaffe	\$19.99	\$19.99
Shadowlands	\$20.99	\$20.99
SHADOW OF BEAST II	\$12.99	\$12.99
Shadow Sorcerer	\$19.99	\$19.99
Shadow Warrior	\$15.99	\$15.99
Shuttle the Sim	\$29.99	\$29.99
Silent Service II	\$23.99	\$23.99
Sim Ant	\$15.99	\$15.99
Sim Earth	\$20.99	\$20.99
Simpsons	\$15.99	\$15.99
Ski or Die	\$16.99	\$9.99
Smash TV	\$15.99	\$15.99
Space 1889	\$20.99	\$20.99

TOP TITLES	ST	AMIGA
Space Ace II	N/A	\$33.99
Space Gun	\$15.99	\$15.99
Space Crusade	\$17.99	\$17.99
Space Quest IV	\$26.99	\$26.99
Special Forces	\$23.99	\$23.99
Speedball II	\$15.99	\$15.99
Spirit of Excalibur	\$20.99	\$20.99
Star Control	N/A	\$17.99
Starfighter II	\$6.99	\$6.99
Star Trek V	\$16.99	\$16.99
Starlighter II	N/A	\$16.99
Stratego	\$17.99	\$17.99
Steel Empire	\$20.99	\$20.99
Strider II	\$15.99	\$15.99
Sinke Fleet	\$17.99	\$17.99
Supaplex	\$16.99	\$16.99
Super Cars II	\$15.99	\$15.99
Super hero	N/A	\$15.99
Super Off Road	\$8.99	\$8.99
Super Space Invaders	\$20.99	\$20.99
Supremacy	\$20.99	\$18.99
Suspicious Cargo	\$16.99	\$16.99
Swap	\$16.99	\$16.99
Switch Blade II	\$15.99	\$15.99
Terminator II	\$15.99	\$15.99
Test Drive III	\$15.99	\$15.99
Their Finest Hour	\$19.99	\$19.99
Their Finest Mission	\$12.99	\$12.99
The Manager	\$16.99	\$16.99
Thunderhawk AH-73M	\$21.99	\$21.99
Thunder Jaws	\$16.99	\$16.99
Tip Off	\$16.99	\$16.99
Toki	\$14.99	\$14.99
Total Recall	\$15.99	\$15.99
Turman II	\$9.99	\$9.99
Twilight 2000	\$23.99	\$23.99
Ultima Martian Dreams	\$20.99	\$20.99
Ultima Underworld	\$20.99	\$20.99
Ultima V	\$19.99	\$19.99
Ultima VI	\$20.99	\$20.99
ULTIMATE RIDE	\$10.99	\$10.99
UMS II	\$23.99	\$23.99
Under Pressure	\$17.99	\$17.99
UnReal	\$16.99	\$16.99
UN Squadron	\$15.99	\$15.99
Untouchables	\$6.99	\$6.99
Utopia	\$20.99	\$20.99
Vendetta	\$16.99	\$16.99
Vengeance of Excalibur	N/A	\$19.99
Video Kid	\$17.99	\$17.99
Volfed	\$20.99	\$20.99
Vroom	\$16.99	\$16.99
War Head	\$7.99	\$7.99
White Death (1 Meg)	\$19.99	\$19.99
Wild Wheels	\$14.99	\$14.99
Wing Commander II	\$19.99	\$19.99
Wiz Kid	\$15.99	\$15.99
Wolf Child	\$16.99	\$16.99
WOLFPACK	\$14.99	\$14.99
W.W.F.	\$15.99	\$15.99
Ziltrax	\$16.99	\$16.99

Ladbroke Computing International

**33 Ormskirk
Road
Preston
Lancashire
PR1 2QP**

**Telephone:
(0772) 203166
Fax:
(0772) 561071**



Ladbroke Computing are the longest established Atari dealer in the UK. We have developed an extensive customer service policy which means that we test all Hardware prior to despatch to ensure that goods arrive in working order. Although our prices are not always the cheapest we do endeavour to offer consistently good service and backup. This isn't just our opinion, we were voted 'Best Dealer 1989' by the readers of ST World magazine, not for 'the number of boxes shifted', but for quality service.

All prices are correct at copy date 13/03/92 (while stocks last), and are subject to change without prior notice. Please phone for up to date prices. All prices include VAT & delivery (in mainland UK), there are no hidden extras (WYSIWYG). Next day courier delivery is available for an extra £7 (Mainland UK). All prices available on Mail Order. Shop prices may differ. Shop & Mail order premises: 33 Ormskirk Road, Preston, Lancashire, PR1 2QP. Open Monday to Saturday 9:30am to 5:00pm. Phones answered from 9:00am. Dealer enquiries welcome. Ladbroke Computing International is a trading name of Ladbroke Computing Ltd. All trade marks recognised.

Due to limitations of space we cannot list all our products please phone for Diskboxes from £6.99, Amiga Workstation £49.99, ICD Ad-Speed £189.99, Dustcovers from £3.99, Phone for details of our repair service (ST & Amiga) Repair quote £15. Phone for more details.

Golden Image

The NEW Golden Image *Brush* Mouse

- ✓ 150 Dpi resolution
- ✓ 500mm/SEC Tracking speed
- ✓ Switchable between ST/Amiga
- ✓ Opto/Mechanical Mechanism
- ✓ Includes Deluxe Paint III software
- ✓ Direct mouse replacement

£24.99

£19.99 without software

Hand Scanners

Golden Image Hand Scanner

£149.99

A 100, 200, 300, 400 Dpi hand scanner with 64 halftone levels for three different halftone mode settings and one letter mode. The scanner comes complete with the acclaimed Touch Up software and Deluxe Paint III Art package.

Jin Scan Hand Scanner

£119.99

Golden Image Drive

- ✓ Digital Track Counter
- ✓ Daisy chain "through" connector
- ✓ Data enable/disable switch
- ✓ Only £59.99 including P&P

GVPII Hard Drives

GVP II A500 Hard drives include injection moulded styling, Internal RAM expansion to 8Mb via SIMM boards, Capacities from 52Mb, 3.5" 11ms Quantum mechanism, Internal Fan, Game switch and mini slot for future expansion.

GVP 52Mb	£379.99
GVP 105Mb	£559.99
GVP 52Mb + 2Mb Simms	£449.99
GVP 52Mb + 8Mb Simms	£689.99

RAM

**Golden Image 512K
Upgrade with clock
£27.99**

**Phoenix 1Mb Board
(A500 Plus only) £49.99**

CDTV

£479

Phone for: Ultimate Basketball, Falcon F16, Fun School 3, Dr Wellman, Defender of the Crown, Chaos in Andromeda, Psycho Killer, World Vista, Advanced military systems, Illustrated Holy Bible.

Monitors

Protar Visto Col Mon £219.99
Includes cable and 12 months on site replacement warranty.
Philips 15" Cube TV £269.99
A 60 channel, FST, Fasttext scart input TV which gives near monitor quality. Includes scart cable.

Disks

10 bulk disks	£4.94
40 Bulk disks	£18.80
100 Bulk disks	£41.13
80 disk box	£7.99
250 disk box	£19.99

Atari Lynx 2

Lynx 2 (Console only)	£79.99	Lynx 2 Power supply	£11.99
Lynx soft cases	£9.99	Comlynx cable	£6.99
New Battery pack	£9.99	Lynx 2 survivor	£5.99

Phone for: Klax, Ultimate chess, Robotron, Shanghai, Chips challenge, Xybots, Roadblasters, Chequered flag, Ninja gaiden, Paperboy, Turbo sub, Xenophobe, Qix, Robo squash, Tournament cyberball, Ms Pac Man, Bill and Teds excellent adventure, APB, Warbirds, Scrapyard dog, Stun runner, Hard drivin, Slime world, Electrocop.

Genlock

Roctec Genlock	£109.99
Rocgen +	£179.99

Amiga Packs

1Mb Cartoon Classics Pack **£339.99**

Includes: A500 Plus computer with 1Mb on board RAM, mouse, modulator, Workbench 2, Lemmings, Captain planet, Simpsons, Deluxe Paint III.

1Mb Cartoon Classic Extra Pack **£379.99**

Includes: 1Mb Cartoon Classics (as above), Datastorm, Dungeon Quest, E-Motion, Monster grand slam, Kid gloves, Powerplay, RVF Honda, Shuffle Puck cafe, Microprose Soccer, Tower of Babel, GFA BASIC, 10 disks + box, Mouse Mat, Dustcover, Apache 1 joystick.

Bare Amiga 1.3 version+Astra Pack £299.99

Printers

Star SJ48 Bubblejet	£239.99
Star LC-20	£139.99
Star LC-200 colour	£199.99
Star LC-24/10	£189.99
Star LC-24/200	£229.99
Star LC-24/200 colour	£289.99

All Star printers include 12 months on site warranty. All printers include ST/Amiga/PC compatible Centronics cable.

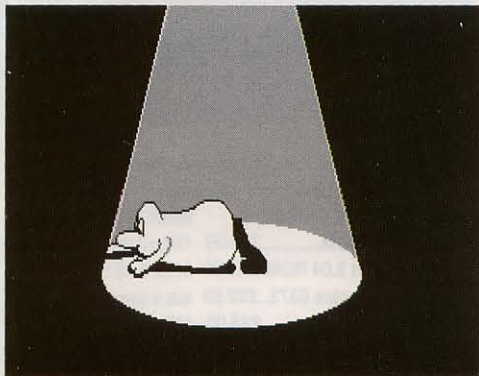
Mice

Golden Image Opto Mechanical Mouse, 250Dpi, switchable between ST/Amiga **£17.99**
Golden Image Optical Mouse, 250Dpi, Mouse mat, no moving parts for greater reliability, switchable between ST/Amiga **£34.99**
Jin Mouse, High quality replacement mouse. **£12.98**

**Sega
Megadrive £105**
Includes Keypad controller.
Phone for Games

CIRCUS ACT

17 BIT, DISK 1653 TWO DISKS



Oh dear. Mr Potato Head has come a cropper already, and the demo hasn't actually started properly yet!

Let's start off with an amusing little piece of animation. This is the third clip in the Mr Potato Head series from relative newcomer Chris Hill.

In his latest adventure, Mr P Head tries yet another circus trick, this time as a human cannonball. Unfortunately, the trick doesn't really go as planned and the spuddy one is fired straight up in the air and out through the top of the tent. What does he find as he flies through the air? Well let's just say that Mr Hill has 'paid homage' to Mr Schwartz's Aerotoons series!

Chris' animations have improved over the series. The first was a short, simple loop, the second was a more ambitious piece with a full plot and *Circus Act* (the third) goes even further. The style of drawing has been cleaned up considerably, making the animation run more smoothly and the humour seem a little more manic and not so forced.

If Chris carries on in this tradition, he could soon find his name mentioned alongside the top-rated Amiga PD animators working today.

PD Demo Zone



Right. A jet, a toy robot, a fish wearing headphones, a sunbathing cat, Prince, Japanese comics and a vegetable firing from a cannon.

What have all these got in common? No, it's not the new series of Vic Reeves' Big Night Out. It's the latest rendition of Amiga Format's Demo Zone. Still confused? Well it's obvious, isn't it? You take your vegetable, fire it at the cat... NO! That's enough! Let's get **Maff Evans** on the case and sift through the latest Amiga demos.

JET ANIM

17 BIT, DISK 1677

After mentioning the possible use of fractal graphics in your own cartoons in last month's **Amiga Format** animation feature, along comes a clip featuring just this technique. The clip is based around a landscape created by Dave Taylor using *Scenery Animator*, which has been modified somewhat to add a little extra interest. An animated picture of a jet has been placed over the moving picture to give the impression that you are following a high-speed fighter down a rocky canyon.

The clip generates an incredible feeling of speed, with the scenery rushing past the jet at a nippy rate and although the scene is just a short loop, it shows just the kind of thing that is possible with these new-fangled fractal animators.



These low flying aircraft! They'll cause an accident with the fractal mountain goats one of these days, I tell you!

Continued on page 183

MANGA SLIDESHOW

WACK PD TWO DISKS

As long-term readers of **Amiga Format** will know, we're all fans of Japanese animation around here (after all, a few of us even voted the cartoon *Akira* as the best film of 1991). It's not surprising then, that we find this demo interesting.

The two disk demo features a whole host of slides based on characters from the Japanese Manga comics, including the Gundam F-90 robots, Gunbusters, Street Möbius and violent future-war strip *Patlabor*. The intro to the demo is quite drawn out and is unfortunately a little tedious. The text messages are rather puerile and the team-member pics are pretty awful. However, when the slideshow starts

properly, the images are absolutely spot-on. The characters capture the feel of their comic counterparts superbly, from the cutesy Super Deformed mini-robot fighters to the harsh metallic appearance of *Patlabor*. Even the backing tune captures the feel of Japanese cartoon action, with lots of manic chants to pep up the music.

If you're not familiar with the world of Japanese comics and animation, then this is a good way to get started. Who knows, the market for these items may open up in the near future, what with demos like this and the release of the new Manga Video label. get into the action - it's great!



Domo arigato, Maff-san! Some Japanese respect courtesy of one of the images that is to be found in the *Manga Slideshow*.



A dark, mysterious edge is added to the demo with this scene. I wouldn't like to meet him in a dark alley without some heavy fire-power on my side!



The ornate armour in this picture gives you some idea of the quality of artwork that is to be found in Japanese Manga comics.

MEMORY EXPANSION

SUPRA 500RX Manufactured out of Albany, U.S.A. SUPRA offer the ultimate in Fast Ram expansion units. Built to the highest technical specifications they offer full auto configuration and quick easy fitting onto the side expansion port. Additionally they can be populated up to a total of 8 meg using 1 MBx4 zips. 8Mb pop to 1 Mb*.....£99.99 8Mb pop to 2Mb*.....£124.99 8Mb pop to 2 Mb.....£169.99 8Mb pop to 4Mb.....£224.99 8Mb pop to 8 Mb.....£369.99

*These boards are populated using 256 x 4 zips, a cost effective way of expanding your system if you are unlikely to require additional expansion greater than 2Mb. The other configuration use 1x4 zips, a more expensive chip but you are able to expand easily right up to 8 Mb. Remember it's only the chips that are different, all SUPRA boards are the same.

PHOENIX A500 Plus 2 meg RAM upgrade modules

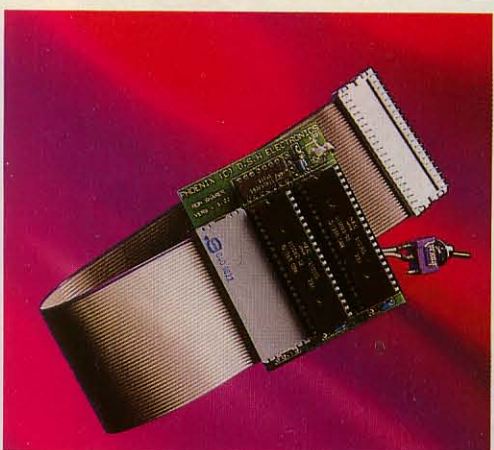


PHOENIX RAM Modules will expand your chip RAM up to 2Mb using the trap door expansion port. Chip RAM is required to unleash the full graphics capabilities of the Amiga 500 Plus. If you are running out of memory or just thinking of expanding your Amiga 500 Plus system then upgrading has never been cheaper. Designed and built to exacting standards in the U.K. all our boards carry a full 2 year no quibble replacement guarantee.

PHOENIX 1 Mb Fully populated Ram board£39.99

PHOENIX 1Mb unpopulated Ram board£19.99

PHOENIX Kickstart ROM sharer



Because some older games and business software will not run on the new Kickstart 2.04 ROM PHOENIX have designed a sharer for both ROM chip sets. Switchable between 1.3 and 2.04 you can get all the benefits of the latest A500 Plus without the drawback of losing your old software. Fits all Amiga 500/1500/2000.

Kickstart ROM Sharer.....£24.99 (ROM Chips not included)

Kickstart 1.3 ROM.....£29.99

Kickstart 2.04 ROM.....£49.99 IN STOCK!

If you're upgrading your Kickstart 1.3 Amiga to 2.04, then you may encounter problems if your machine has a revision 3 or 5 motherboard. Not if you use the new Rev 3/5 PHOENIX ROM Sharer. Fits just as easily and is ready to accept the 2.04 chip without the hassle of any tricky motherboard modifications you may have to make.

Kickstart Rev 3/5 Rom Sharer.....£27.99

(ROM Chips not included)



PHOENIX

WHEN IT'S TIME TO
EXPAND
YOUR AMIGA

AMIGA RELEASE 2



NEW

NOW IN STOCK !£99.99

The long awaited upgrade kit for 1.2/1.3 owners from Commodore has finally arrived and is selling fast. We have managed to secure one of the largest stocks of this product in the whole of the UK. The package comprises 2.04 ROM chip, all Workbench software (Install disk, Workbench 2.04 disk, Fonts disk and Extras.) a huge fully bound highly informative instructional/technical manual covering every aspect of the 2.04 operating system plus additional "Getting Started" manual, a step by step guide to Workbench 2.04. This is THE essential upgrade kit direct from PHOENIX. Please note that due to the excessive weight of this item, we have to charge £2.50 P+P on all orders.

ORDER HOTLINE

TEL . 0532 311932

FCC DISTRIBUTION, UNIT 19, ARMLEY PARK COURT,
STANNINGLEY ROAD, LEEDS LS12 2AE.

TEL (0532) 311932. U.K. Sales

TEL. (0532) 319061 Trade / European Sales

TEL. (0532) 319061 Technical Helpline

All prices include V.A.T. and free U.K. delivery

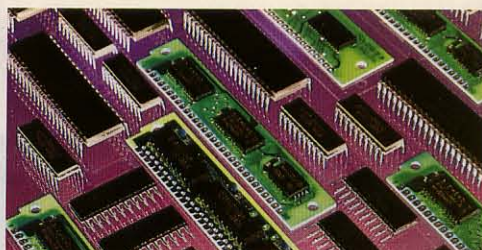
Next day delivery by courier £4.50

Please make cheques /P.O.payable to

F.C.C. Distribution Ltd.



CHIPS



As importers of high specification semiconductor technology, PHOENIX are able to offer these products at very competitive prices.

AMIGA CUSTOM CHIPS

MEMORY

Kickstart 1.3 ROM.....£29.99 1Mb9-80 Simms.....£34.99

NEW Kickstart 2.04 ROM.....£49.99 256x 9-80 Simms.....£12.99

NEW Super Denise 8373.....£39.99 N.B. 2 Simms = 1/2 Meg £24.99

Fatter Agnus8372A.....£45.00 1Mb4-80 Zip.....£19.99

Gary.....£19.99 N.B. 2 Zips = 1 Meg.....£38.99

Paula.....£P.O.A 256x4 DRAM.....£3.49

CIA 8520A.....£9.99 N.B. 8 DRAM's = 1Meg

These chips cover practically every popular memory expansion system on the market for the Amiga ie. GVP, SUPRA, Microbotics etc. Ring our technical helpline if you need advice.

HARD DRIVES

GVP Hard Drives for the Amiga 500, 1500/2000 series. PHOENIX are pleased to offer the stunning range of GVP Hard Drive, the fastest Hard Drive Controller for the Amiga. Features Game Switch, external SCSI port, FAAASTROM SCSI Driver, GVP's custom VLSI chip and internal RAM expansion up to 8 meg! All units use high specification fast access QUANTUM Hard Drives units.

AMIGA 500/500 Plus

A500-HD8+ 52 MEG (Unpopulated).....£374.99

A500-HD8+ 105 Meg (Unpopulated).....£569.99

AMIGA 1500/2000

Series II 52 Meg Hard Disk and RAM card.....£289.99

Series II 105 Meg Hard Disk and RAM card.....£475.99

Increasing the memory expansion of these units is easily achieved by using 1 Mb x 9 Simms boards. See under the heading "CHIPS" for price details.

Commodore A590 20 Meg.....£274.99

For the Amiga 500/500 Plus. Not quite in the same performance bracket as the GVP range but nevertheless a good solid performer. Can be easily expanded to 2 Mb of RAM using 256 x 4 DRAMs.

HARD DISK MAINTENANCE SOFTWARE

Quarterback.....£24.99

This great fast backup system lets you retain the integrity of your data in the event of a system crash, virus or anything that may possibly corrupt your valuable data.

ESSENTIAL PURCHASE!

Quarterback Tools.....£47.99

A great little utility to optimise your hard drive, unfragment your files and keep your system working at top speed.

EXTERNAL DISK DRIVES



NEW

PHOENIX Deluxe Drive.....£54.99

This sleek, high quality external drive is an essential add on to any Amiga system. All PHOENIX drives feature extremely quiet operation by utilising a high quality Sony/Citizen drive mechanism. Full 1 Mb unformatted / 880k formatted capacity, long reach cable with enable / disable switch. Thru port for daisy chaining of other drives. 12 month replacement warranty.

Roctec Roclite.....£59.99 **Cumana CAX 354**.....£57.99

SONY BRANDED DISKETTES

"The original, from the inventor". Because of the large amount of inferior quality discs on the market, the only way to make sure you don't lose your valuable data is to use the highest quality magnetic media.

Box of ten discs including labels.....£7.99

Crazy Joe's

Amiga Public Domain Software

CRAZY JOE'S, DEPT. AF
145 EFFINGHAM STREET
ROTHERHAM
SOUTH YORKSHIRE S65 1BL

GAMES PACK 2

(1 MEG ONLY - NOT A500+)
 BALLOONACY, CROSSFIRE,
 TWINTRIS, ARCADIA,
 WIZZY'S QUEST

5 DISK SET ONLY £4.95!

GAMES PACK 4

(NOT A500+ COMPATIBLE)

CARD & BOARD GAMES, SHAPES,
 FRANTIC FREDDIE, SERENE II,
 MENTAL IMAGE GAMES

5 DISK SET ONLY £4.95!

PLUS A WIDE RANGE OF

COMMERCIAL SOFTWARE,

JOYSTICKS, DISK BOXES,

ACCESSORIES, BLANK DISKS AND

MUCH MORE IN OUR

FREE CATALOGUE!

HOW TO ORDER

SEND CHEQUE / P.O. PAYABLE

TO 'CRAZY JOE'S'

CREDIT CARD ORDERS

(0709) 829286

FAX YOUR ORDER ON

(0709) 878308

GAMES PACK 1

(SOME 1 MEG - NOT A500+)

37 TITLES INCLUDING INVADERS,
 TETRIS, ASTEROIDS, MISSILE
 COMMAND, AND MANY MORE!

8 DISK SET ONLY £7.95!

GAMES PACK 3

(ANY AMIGA - A500+ COMPATIBLE)

DRAGON CAVE, DRIPI, ZEUS,
 MEGABALL, AIR ACE II

5 DISK SET ONLY £4.95!

PRICE INCLUDES POSTAGE IN UK

REST OF EUROPE, EIRE... ADD £2.50

REST OF WORLD... ADD £4.00

OVERSEAS ORDERS SENT AIR MAIL

PAYMENT IN STERLING PLEASE!

SEND A STAMPED ADDRESSED

ENVELOPE (9" x 6") FOR OUR

FREE CATALOGUE!

THOUSANDS OF TITLES

FROM ONLY

99p

PER DISK!

CENTRAL SCOTLAND'S PREMIER P.D. LIBRARY

UTILITIES

All utilities listed are 500 Plus compatible

U214 Amibase Professional
 U213 Gators Graphics Workshop
 U212 Text Engine 3.0
 U218 Graphics Construction Kit
 U207 Easy Print 2
 U206 Digital Address Book
 U202 Amiga Plus Utilities
 U199 Amigafox D.T.P.
 U191 Windowsbench (2)
 U198 Comms Disk
 U189 Assassins Label Utils
 U188 Printer Driver Generator
 U187 24 Pin Printer Fonts
 U184 Slick Utilities
 U183 Vogue Utilities
 U182 Picture Help
 U180 Convertors Disk
 U179 Ozone Utilities
 U167 PC Emulator
 U161 Pagesetter Clip-art

DEMOS/MUSIC

All disks are 500 Plus compatible

D150 Colours Demo
 D149 Hardwired Demo (2)
 D147 Terminator 23 Megademo
 D146 Vietnam Conflict
 D144 Monty Python Radio Song
 D140 Madonna Animations
 D138 Bruce Lee Animations
 D136 Killers Mega Demo (2)
 D134 Cube-O-Matic
 D133 Burger Hill Demo
 D132 Silicon Dreams
 D128 Mad On Er (4)
 D126 Voyages Demo
 D125 Melted Experience
 D144 Star Trek Anim/slides
 D109 Alpha and Omega Demo
 D104 Plasmutech Demo
 D078 Phenomena Enigma

GAMES

All disks are 500 Plus compatible

G100 Battle Cars
 G099 500 Plus Games
 G097 Wastelands
 G096 Assassins Comp 4
 G095 Storyland 2
 G091 The China Shop
 G090 Growth
 G088 The Jar
 G087 Assassins Comp 13
 G085 Tomcat

G083 Simpsons Game
 G079 Blackjack
 G076 Super Skoda Challenge
 G073 Games Galore
 G070 Insiders Game
 G060 Empire Game
 G059 Zeus Game
 G058 Shapes
 G057 Truckin On (2)
 G055 Battle Pong

DEJA-VU LICENCEWARE £3.50

All disks are 500 Plus compatible

LPD57 Kiddies Clipart
 LPD58 Locks, Keys and enemies
 LPD59 Prehistoric Fun Pack
 LPD60 Techno Snail
 LPD61 Rescue
 LPD62 Revolution
 LPD64 Rescue 2
 LPD65 Power-Planner
 LPD66 Hotel Manager
 LPD67 Cyadonia
 LPD68 Virus Buster 2.1
 LPD69 Magical Mix Up
 LPD70 Paint Box
 LPD71 Battlecars
 LPD72 Monster Island
 LPD73 Amos Database
 LPD74 Sour Grapes
 LPD75 Videolab
 LPD77 Powerbase
 LPD79 Music Engine
 LPD80 I.B.E.
 LPD81 Pools Pro

SLIDESHOWS

All disks are 500 Plus compatible

S053 Phil Collins
 S052 Highlander Slideshow
 S049 Betty Boo
 S046 4D Images (2)
 S042 Judge Dread
 S040 Invisible World
 S037 Star Trek Images
 S028 Gremlins 2 (2)
 S020 Hendrix Slides
 S006 Nightbreed

Fred Fish 1 - 590

T-Bag 1 - 59

Deja Vu 1 - 81

Amos PD 1 - 400



The above represents only a small selection of our collection.
 Please call for new arrivals, or why not call into our showroom.
 Prices include postage and packing. Payment by Access/Visa
 or make your cheques or P.O.'s payable to



"Micro Choice" 30, Townhead, Kirkintilloch G66 1NL.

Tel: 041-777 6300

SOUTH Lincs PD

75p per disk, large selection of Amiga PD including games, graphics and animation, adult only, utilities, music, demos, Fred Fish disks, T-Bag disks 1-61.

Below is a small selection of titles available

GAMES

1005 Drip
 1024 Breaker
 1040 Bionix
 1050 Pipeline
 1059 Tile Trial
 1065 Yelp
 1093 Downhill Challenge
 1094 Games 12 (Air Ace & more)
 1098 Megaball *
 1100 Star Trek T.N.G. (1.3)
 1101 Llamatrons (1.3)
 1105 Grand Prix Sim (1.3)
 1110 Airmania

UTILITIES

4001 UEdit (wordprocessor)
 4070 Amibase 3.76 (database)
 4084 Cartoon Brushes (Clip Art)
 4087 CManual v2.00 (4 disks)

DEMOS

6059 Indianapolis 500
 6072 Ray of Hope 2 (1.3)
 6073 Alpha Omega
 6075 Odyssey (5 disks) (1.3)
 6078 Voyage

GRAPHICS & ANIMATION

2031 Elgato * (Cat anim)
 2040 Tron * (2 disks)
 2069 Real Things Birds *
 2077 Rock Album (Slideshow)
 2089 Madonna Cartoon * (1.3)
 2109 Juggler II (1.5Mb)
 2110 Juggette 2 * (The Revenge)
 2111 Anti-Lemmin (2Mb, 2 disks)
 2112 The Dating Game (3Mb, 2 disks)
 2115 Top Gun (Slideshow)
 2120 Agatran Anim 30w
 2124 At The Movies (1.5Mb)
 2143 Robocop * (1.3)

MUSIC AND SOUND

5037 Led Zeppelin (2 disks)
 5066 Blues House (2 disks)
 5067 Meaning of Life * (2 disks)
 5068 Walk This Way Remix
 5074 Crystal Symphonies
 5075 Bad Boyz * (Rave)

(1.3) = Amiga 1.3 only, all other titles are 1.3 and 500+ compatible.
 * = 1 Mb

Blank disks DD/DS 10 for £4.80 50 for £22.00 100 for £42.00
 P&P inclusive

Mitsubishi branded 10 for £5.80 50 for £27.00 100 for £52.00
 P&P inclusive

Catalogue disk only 50p or send large S.A.E. for list of titles. Please add 50p for postage and packing to total for orders of PD. All orders of PD sent same day by first class post. Europe add 25p per disk. ROW add 50p per disk. Cheques/postal orders made payable to

SOUTH Lincs PD, 10 Linden Rise, Bourne, Lincs PE10 9TD

Telephone (0778) 393470



AMIGANUTS UNITED

169 DALE VALLEY ROAD, HOLLYBROOK, SOUTHAMPTON, SO1 6QX.
 AMIGANUTS UNITED AUSTRALIA - 199 TAYLOR ST, TOOWOOMBA, QLD,
 AUSTRALIA 4350. WORLDWIDE DISTRIBUTORS OF THE DEDICATED
 AMIGA CODERS CLUB DISKS. EUROPEAN DISTRIBUTOR FOR
 THE T.BAG DISKS. Numbers 1 to 63 NOW AVAILABLE.

ALL ARE V2 COMPATIBLE - V2 COMPATIBLE PROGS ALSO DENOTED IN OUR CATALOGUE. MAIL ORDER ONLY - IF MAKING AN ENQUIRY, PLEASE ENCLOSE S.A.E.

INTO MUSIC? Then the eight channel Midi compatible OctaMed V2 is for you! Contains full notation with notation editor, (staves), print facility plus 16 track display for Midi users. It also has its own built in sampler.

All this for £20.00 (note that you do not need a Midi keyboard to use this excellent music program).

THE OCTAMED MANUAL IS HERE!!!

Not just a copy of the instructions already on your disk but a complete authorised re-write which will show you what an excellent utility it is. Parts also cover the earlier Public Domain med program as well.

Send for your copy now! **ONLY £9.95**

ALL ORDERS FOR THE MANUAL WILL INCLUDE A FREE AMIGANUTS CATALOGUE DISK

ARE YOU INTO CODING? - NEW TO COMPUTING? - The Amiga Coders Club is for you! If you want to learn how to assemble that strange looking code, you need us. Amiga Coders Club are now being sold worldwide, so why not find out why they are so popular for yourself? Each issue contains loads of source ready to assemble and is also packed with help, tips, contacts, letters plus advice. ACC is published monthly and is available for the low price of £4.00 per issue. Our special introductory compressed ACC Disk 1 to 4 IS **ONLY £2.00**, so order your copy now!

Postage for all EC countries, (including U.K.), Add 50p - non EEC £1.50. Orders from overseas customers must be by bank draft, postal or Eurocheque. (sorry but we do not accept credit card orders as these would push up prices). The March 1992 catalogue is available now! £1.50 (don't forget to add postage).

INTUISYS COMING SOON FROM AMIGANUTS

IntuiSys: an easy to use multimedia authoring system which can be used for development of anything from an educational presentation to a disk magazine, full Arexx support - IFF compatible - up to 65000 pages can be implemented, each page can have its own colour palette - attractive, easy user interface. You can even have eight channel OctaMED music running in the background! Further details on release date and price will be in June's Amiga Format.

£1.20
per disk

Software Expressions

£1.00
Per disk
for 10
or more disks

GAMES

G005 All New Star Trek (2 disks; 2 drives) excellent
G014 Adventure Solutions (2 disks) commercial game cheats
G013 Bullrun US Civil War game
G010 Breakout classic ball to wall game
G139 Battle of Britain wargame
G143 Card Sharp card games compilation
G149 Raphaels Revenge platform game
G066 Property Market become a millionaire
G153 Growth shoot an expanding brain
G155 Mission X quality shoot 'em up
G154 Jet Man control space warrior
G118 Assassins Compilation no 6 3 good games
G113 Chainsaw Death adventure for Survival
G046 Lost Occrest adventure game
G049 Megaball superb breakout clone
G043/44 Learn and Play (2 disks) educational games for youngsters
G135 No Man's Land (1Mb) 2 player shoot out
G025 Entrophy tricky shoot-em up
G141 Assassins Games 2 6 games inc. Missile Command
G123 Insiders Club stockmarket simulation
G124 Napoleonic Warfare latest version (v5.0)
G126 Pom Pom defend Pearl Harbour
G071 Return to Earth (1Mb) superb space adventure
G077 Seven Tiles Speedball game
G074 Snakepit Eat food and avoid your growing body
G148 Galactic Food Fight kill those hamburgers
G152 Leaping Larry jump the moving bars. Good
G151 Hm, that's not on the syllabus good text adventure
G056 Monopoly board game computerised
G099 Cabaret Asteroids classic reconstruction
G130 Battle Pong great bat and ball game
G125 Atic Atac kill ghosts in house

UTILITIES

U001 A-Genie (1Mb) search your family tree
U016 Biorhythms (1Mb) chart your feelings
U017 Business Pack (3 disks) D/base, S/sheet, W/processor
U005 Armbase v3.76 excellent user-friendly database
U123 IQ Tester how clever are you?
U110 Messysid transfer PC files
U104 Golf Recorder (1Mb) record scores of rounds
U076 Star Trekker excellent music sequencer
U122 Perm-checker checks pools-winnings
U128 Viz - clip art great pictures
U092 Cartoon Brushes more pics for use with D-Paint
U130 Printer Utils label printer utilities
U097 RSI Demo maker superb utility
U129 Superkillers updated virus killers
U033 Education 1 learn German
U075 Spanish Tutor Bueno!
U078 Text Plus high quality wordprocessor
U101 C64 Emulator resurrect those golden oldies!
U130 UltraPaint for IFF pictures
U134 Amicash best account handler around
U062/63 House Samples (2 disks) for musicians
U052 Business Card Maker simple programme

DEMOS

D092 Iraq Demo (1Mb) humorous cartoon
D129 Pugs in Space classic animation from Dionysus
D251 Debbie Harry Slides (2 disks) well compiled slideshow
D021 Budbrin II excellent demo; funny & clever
D201 Sickness Simulator some nasty sound samples

D225 Sgt. Pepper (2 disks) music & far-out graphics
D036 Coma/Cebit '90 classic acid demo
D016 Acid Music another ravish demo favourite
D166 Star Trek Animations Fichter classic
D157 Space Bubbles excellent animation
D237 Simpsons Decay Demo Bart at his best
D075 Girls of Sport slides of sporty girls
D063 Fillet the Fish cutesy cartoon, similar to Puggs
D215 Another Five Ways to Kill a Mole sad but cute
D099 Jesus Loves Acid Rave disk
D253 WWF Wrestlers Hogan and more
D254 Ray of Hope Excellent - see March reviews

MUSIC

M001 808 State beasty remix
M082 The Power excellent clarity remix
M074 Subway Music original sound and graphics
M067 Powerpack 3 (1 Mb) tracks include Vanilla Ice
M062 Random Access includes Art of Noise
M038 Hugo's Excentria housey tunes to cartoon graphics
M030 Debbie Gibson (2 disks) Electric Youth
M084 The Wall Pink Floyd classic
M087 Iron Maiden The Ides of March
M086 Great Balls of Fire goodness gracious
M083 Technotronic Megamix this beat is good!
M088 500 Things Comback Demo excellent. See issue 29 review
M090 Led Zeppelin includes Starway to Heaven

WARNING: A500 PLUS OWNERS

Many disks may not be compatible with your new Amiga. Please phone to confirm first

POSTAGE

UK orders 60p Europe £1.25
World £2.50

PRICES

PD £1.20 per disk
Orders of 10 or more disks £1.00 per disk

CATALOGUE UPDATE NOW AVAILABLE PLEASE SEND SAE

Send cheque/postal order made payable to:

SOFTWARE EXPRESSIONS,

Studio 4, Hebron House, Sion Road, Bedminster Bristol, BS3 3BD

Local orders welcome. Just phone in your order and pick up later!

Tel: (0272) 637634 Fax: (0272) 631770

PENTIRE PD

10a Hag Hill Lane, Taplow,
Maidenhead, Berks SL6 0JH
(0628) 666641

99p per disk. 5 or more 85p each
P&P 90p per order
European add 25p per disk
Worldwide add 50p per disk

TITLES MARKED (P) ARE ALSO COMPATIBLE WITH A500+

GAMES

G126 7 Tiles
G240 Blizzard (P)
G144 Drip (P)
G162 Eat Mine (P)
G138 Flaschbier (P)
G212 Insiders Club (P)
G125 Megaball (P)
G175 Paranoid (P)
G139 Pipeline (P)
G106 Pom Pom Gunner (P)
G110 Puggles
G169 Quick and Silva
G137 Return to Earth (P)
G142 Star Trek (2) (P)
G274 Star Trek Arcade (P)
G140 Stone Age
G260 The China Shop
G229 The Holy Grail
G289 Water Mine 1
G173 Werner
G136 Wet Beaver Games (P)
G160 Wheel of Fortune
G281 Wizzard World
G284 Wizzy's Quest (P)
G101 XWord Compiler

UTILITIES

U358 8 Track s/tracker (P)
U312 Ami Base (P)
U225 Clerk (P)
U129 CLI Tutorial (P)
U400 D-Copy (P)
U134 Direct Action (P)
U126 Diskmaster (P)
U147 Dope Intro Maker
U117 ESA Utilities (P)
U207 Flexibase (P)
U155 Ghost Writer (P)
U424 Hack Pack (2)
U221 Hard Disk Utils. (P)
U204 Hot Stuff
U163 Icon Mania (P)
U164 Jazz Bench (P)
U236 Learn and Play (2) (P)
U224 M-Cad (P)
U255 Med (P)
U154 Messysid (P)
U434 Modern Utilities
U239 Pair-It 90 (P)
U394 QBase (P)
U227 R.I.M. (P)
U153 Slideshow Cons. (P)

DEMOS

D265 Franklyn Fly (P)
D242 Hanky Panky (P)
D130 Iraq Demo (P)
D268 Kylie (2) (P)
D182 Luxo Teenager
D206 Justify My Love (1.5Mb)
D207 Rescue Me
D131 Madonna III (3)
D171 Open Your Heart
D257 Phenomena Enigma (P)
D175 Probe Anim. (P)
D174 Pugs in Space (P)
D166 Robocop (P)
D190 Simpsons
D252 S/T Utils (P)
D209 S/T Samples (P)
D196 Chips Are Up (P)
D230 Viz Slideshow (P)
D300 Mr Potato Head (P)
D301 Fillet the Fish (P)
D187 Crionics Hardwired (2)
D277 Crusaders Euro Chart
D250 Donald Duck
D201 Fenntastic 3
D147 Stealth Bomber

HUMOUR

D178 Total Recount
D198 Total Respray
D176 Total Restyle
D164 Total Retrial
D275 Viz Jokes (2) (X)
D185 Dating Game (2)
D168 Delerious (2) (X)
D179 Eau Madonna
D173 Porky Pig
D171 Lame St Ports
D258 Safe Sex

GLAMOUR

A172 Bo Derek
A171 Blonde Beauties
A164 Sam Fox (2)
A101 Girls Girls Girls (P)
A130 Girs! 2 (P)
A176 Kathie Lloyd
A102 Madonna
A103 Maria Whittaker (2) (P)
A173 Sam Fox Vol 2
A160 Utopia (2) (P)
A182 Sabrina

CATALOGUE DISK 75p

1000 TITLES

CONSTANTLY UPDATED

FRED FISH

AND T-BAG

COLLECTIONS STOCKED

TO ORDER GLAMOUR

PLEASE STATE

OVER 18

LOCAL CALLERS

WELCOME BY

APPOINTMENT

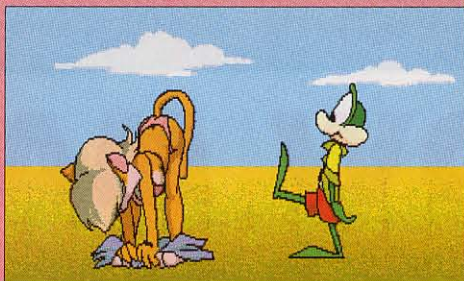
AT THE BEACH

PD SOFT, DISKS 2384 AND 2385
TWO DISKS - REQUIRES 3MB

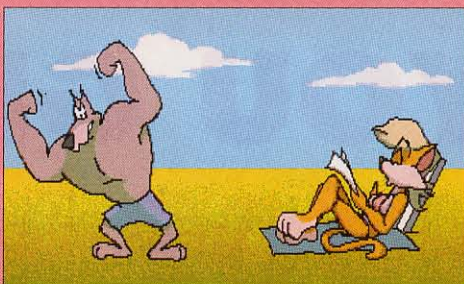
Bet you'd thought we'd forgotten about it, didn't you? Well here it is - this month's entry into the demo circuit for Eric Schwartz. This time it's the turn of Flip the Frog to make another appearance along with his 'friend' Clarisse the Cat as they take a trip to the beach.

The demo starts off by setting the scene as Flip and Clarisse arrive at the seaside (with poor old Flip carrying all the gear). As Clarisse gets ready for a spot of sunbathing in her bikini, Flip gets a little overheated and rushes off for a swim. This leaves the way open for a burly lifeguard to muscle in and try and catch the attention of young Miss Cat.

What follows is the usual cartoon mayhem as Flip tries to battle with the lifeguard, complete with wild Tex Avery-style actions. The story is more extensive than other examples of Eric's work, with an involved plot which unrolls as the cartoon continues. His animation style has also been carefully refined, bringing even more class to his already excellent productions. The characters have even more personality, the situations are more involved and the action is funnier. If you've got a large amount of memory, then you just can't afford to miss this gem. It's Mr Schwartz's best output yet.



What's a poor little frog supposed to do when confronted with a scene like this? Go for a dip, that's what!



That muscle-bound beach bum attitude is a bit passé these days, and Clarisse is none too impressed.



Flip isn't the only one with his eye on Clarisse's sun-bronzed fur. Better keep an eye on this character.



In fact she was so unimpressed that she vents all her feline wrath on the burly bone-head!

ROCKIN' ROBOT

17 BIT, DISK 1675



This colourful chap looks as though he's having a good time. Now if he could only shake off this Ramsoft logo...

Dave Taylor makes a second appearance this month under the name Ramsoft, with a return to the well-established style of looped, ray-traced animations. This clip features a brightly-coloured toy robot rocking around on his dumpy base, with a Ramsoft logo circling his midsection as he moves. It's just a simple loop, but the image is nicely drawn (in a cute kind of way). The most impressive point to note is the way the reflected spotlight glints off various sections of the robot as he rolls about. An impressive demo in the good old tradition!

CONTACT:

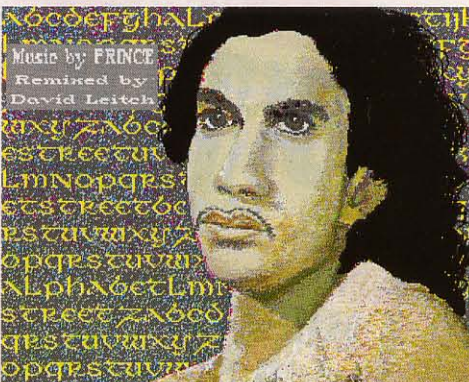
PD SOFT: 1 Bryant Avenue,
Southend-on-Sea, Essex SS1 2YD

17 BIT SOFTWARE: 1st Floor
Offices, 2/8 Market Street
Wakefield WF1 1DH.
0924 366982

Wack PD: 48 Emerson Ave,
Middlesbrough,
Cleveland TS5 7QH

ALPHABET STREET

17 BIT, DISK 1643



Who is that jaundiced-looking mutant? What? It's supposed to be Prince? Pull the other one!

This month's foray into the world of popular music that has been... er... converted to Amiga PD takes a sidestep from the usual crop of Rave tunes that have recently appeared. This time a step back a few years has been taken by David Leitch to bring us a 'remixed' version of Prince's Alphabet Street.

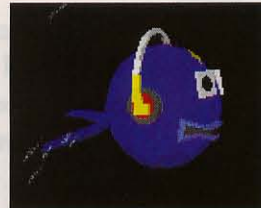
The disk contains two versions of the demo, one for half meg users and another for those with expanded machines. The only difference between them is the fact that the half meg version doesn't display any graphics. The music is all right, if a little tinny sounding, but it doesn't really capture the uptempo, dancy feel of the original. However, the first thing you notice is the picture of Prince that is displayed along with the music. There's only one way to put this really - the picture is absolutely abysmal! The only way you can tell that it's supposed to be Prince is that this is a Prince demo; it just doesn't look anything like him.

What a predicament this puts the demo in: it doesn't stand up just on musical merit, since the music lacks the feel of the original, but it doesn't impress on the visual side either, because the graphics are absolutely terrible. This means that the demo will more than likely be overlooked by even the Prince fans. How sad.

JAMES WHALE ANIM

17 BIT, DISK 1676

Although this one doesn't display any credits at any point, there is a strong possibility that this one is also by Dave Taylor. It's yet another looped, ray-traced animation, this time based on a subject that some of you may already know - the little fish from the TV programme *The James Whale Radio Show*.



This fish is obviously wired for sound. He's only got one tape though, since he can't remember hearing it every time he listens.

Even if you hate the programme, you might still be impressed by this little clip. The style of the graphics is a little different from Dave's other work. The fish has been left in its polygon form, with the surfaces appearing to be made up of shiny panels. Rather than making the animation look shoddy, the effect works quite well, making the fish appear solid as it moves. Looks like the lad Taylor has scored a hat-trick!

TOP TEN DEMOS OF THE MONTH

Every issue we take the trouble of finding out a PD library's best-selling music and graphics demos. This month it's the turn of...

BYTEBACK

- 1 Oddysey (5 Disks, 2 Drives, 1 Meg)
- 2 Hardwired (2 Drives, 1 Meg)
- 3 Voyage
- 4 The Punisher
- 5 Evolution
- 6 Infinite Dreams
- 7 With Vectors To Heaven
- 8 Guardian Dragon
- 9 Ray of Hope 2
- 10 Exit Megademo

Q: HOW MANY PROGRAMS CAN YOU GET FOR £30?

A: 30!

Public Domain is your essential monthly guide to the world of free software. For as little as a pound you can pick up games, utilities, even fully-fledged business packages for your Amiga.

- Hundreds of programs reviewed and rated each and every issue
- In-depth features that tell you all you need to know
- A program-packed coverdisk crammed full of PD and shareware to astound you
- For only £2.95 you could save yourself hundreds

DON'T MISS ISSUE SIX ON SALE 2ND APRIL

Yet another superb magazine from Future Publishing, the company that brings you Amiga Format, ST Format, Amiga Power, Amiga Shopper, PC Plus, PC Format, PC Answers...

future PUBLISHING

THE WORLD OF FREE SOFTWARE - YOUR MONTHLY GUIDE

PUBLIC DOMAIN

AMIGA • PC • ST

ISSUE 6 • £2.95 MAY 1992

THE LATEST PD, SHAREWARE & LICENCEWARE REVIEWED

MIND YOUR OWN BUSINESS!
Get started and save a fortune using shareware and PD...PAGE 19

SAVE SERIOUS MONEY WHEN USING YOUR MODEM
Cut on-line costs by following our 10 bill-busting tips ...PAGE 54

GET SOUNDS FOR £1
How public domain can be music to your ears ...PAGE 69

APOGEE REVEALS ITS SECRETS
The greatest shareware games outfit and their amazing success ...PAGE 49

£1000 WORTH OF MODEMS TO BE WON!
...PAGE 75

AMIGA • PC • ST COVER DISK 6
Zaxis: An addictive puzzle game
Becomes a spy in the latest game from
Hogge Software
Hogge Software
(For EGA and VGA
PC only)
Important - read the instructions first! See page 6 for details
©1992 Future Publishing Ltd. All Rights Reserved

Future Publishing
Your guarantee of value

9 770963 826009

MCPD

ALL SINGING, ALL DANCING
AMIGA P.D. SOFTWARE

Demos/Anims * = 1-Meg.

MCD 2 Stealthy II*	MCD28 Virtual World
MCD 3 Puggs in Space*	MCD29 The Boings*
MCD6a The Re-Incarnation	MCD30 Trackball Anim*
MCD6b of Sgt. Pepper*	MCD31 Batman: The Movie Anim*
MCD12 Led Zeppelin Samples*	MCD35 Robocop 3 Anim*
MCD18 Walker II Demo*	MCD37a Odyssey*
MCD19 Luxo Teenager*	MCD37b Brilliant 5 Disk
MCD20 Total Recall Demo	MCD37c SF Epic - story told
MCD21 Raiders of the Lost Ark*	MCD37d in 3D Anim/Demo
MCD23 Crusaders Does Genesis*	MCD37e form - Superbl
MCD24 Gymnast Anim*	MCD38 Cult SF TV Guide*
MCD25 Congaman/Windmill Anims*	MCD50 Lotus Car Chase

Games

If you can't see the disk(s) you want...

MCG3 Mayhem	MCG13 Seven Tiles
MCG5a Star Trek TV Style	MCG15 Llamatron
MCG5b game - very	MCG19 Quick & Silva*
MCG5c good - needs 2 drives*	MCG20a Star Trek: The Next Gen.
MCG6a Agatron Star Trek	MCG20b Trivia - needs 2 drives*
MCG6b (movie Trek) very good*	MCG22 Atic Atac*
MCG9 Hollywood Trivia	MCG25a Learn & Play
MCG10 Legotris	MCG25b (Educational)

Utilities

...just give us a call!

MCU1 Personal Journal	MCU21 Sid V1.6*
MCU8 Nuke 1.4b Virus Killer	MCU23 DTP Publishing*
MCU9 TCB Vector Designer	MCU34 Ham Lab*
MCU13 Med V3.2*	MCU37 Spectrapaint
MCU14 Crossword Maker*	MCU38 D Copy 2*
MCU16 Startrekker V1.2	MCU40 Text Engine V3.0*
MCU18 Messy Sid*	MCU51 Sid V2.0 (JUST IN!!)*

Slideshows

MCSS3 Fenn-Tastid V1	MCSS11 Freddy's Dead*
MCSS5 Addams Family*	MCSS12 Akira*
MCSS6 The Prisoner	MCSS13 Aliens (Brilliant!)*
MCSS9 Star Trek: The Next Gen.*	MCSS18 Agatron 11 (SF)
MCSS10 Thunderbirds*	MCSS19 Agatron 12 (SF)

Please make cheques & PO's payable to MCPD.

MCPD, 6 Colchester Road, Prittlewell, Southend-on-Sea, Essex SS2 6HP, England.

Open from 9.30am till 6.00pm, Mon - Sat. Answerphone outside biz Hrs.

DISK PRICES

1-11 @ £1.30 each
12+ @ £1.00 each
I FREE Disk of your choice
with every 10 ordered.

• Plus compatible

Catalogue Disk £1.00
Please add 70p p&p
per order.

All Prices include VAT.

MCPD

ALL SINGING, ALL DANCING
AMIGA P.D. SOFTWARE

Demos/Anims * = 1-Meg.

MCD 2 Stealthy II*	MCD28 Virtual World
MCD 3 Puggs in Space*	MCD29 The Boings*
MCD6a The Re-Incarnation	MCD30 Trackball Anim*
MCD6b of Sgt. Pepper*	MCD31 Batman: The Movie Anim*
MCD12 Led Zeppelin Samples*	MCD35 Robocop 3 Anim*
MCD18 Walker II Demo*	MCD37a Odyssey*
MCD19 Luxo Teenager*	MCD37b Brilliant 5 Disk
MCD20 Total Recall Demo	MCD37c SF Epic - story told
MCD21 Raiders of the Lost Ark*	MCD37d in 3D Anim/Demo
MCD23 Crusaders Does Genesis*	MCD37e form - Superbl
MCD24 Gymnast Anim*	MCD38 Cult SF TV Guide*
MCD25 Congaman/Windmill Anims*	MCD50 Lotus Car Chase

Games

If you can't see the disk(s) you want...

MCG3 Mayhem	MCG13 Seven Tiles
MCG5a Star Trek TV Style	MCG15 Llamatron
MCG5b game - very	MCG19 Quick & Silva*
MCG5c good - needs 2 drives*	MCG20a Star Trek: The Next Gen.
MCG6a Agatron Star Trek	MCG20b Trivia - needs 2 drives*
MCG6b (movie Trek) very good*	MCG22 Atic Atac*
MCG9 Hollywood Trivia	MCG25a Learn & Play
MCG10 Legotris	MCG25b (Educational)

Utilities

...just give us a call!

MCU1 Personal Journal	MCU21 Sid V1.6*
MCU8 Nuke 1.4b Virus Killer	MCU23 DTP Publishing*
MCU9 TCB Vector Designer	MCU34 Ham Lab*
MCU13 Med V3.2*	MCU37 Spectrapaint
MCU14 Crossword Maker*	MCU38 D Copy 2*
MCU16 Startrekker V1.2	MCU40 Text Engine V3.0*
MCU18 Messy Sid*	MCU51 Sid V2.0 (JUST IN!!)*

Slideshows

MCSS3 Fenn-Tastid V1	MCSS11 Freddy's Dead*
MCSS5 Addams Family*	MCSS12 Akira*
MCSS6 The Prisoner	MCSS13 Aliens (Brilliant!)*
MCSS9 Star Trek: The Next Gen.*	MCSS18 Agatron 11 (SF)
MCSS10 Thunderbirds*	MCSS19 Agatron 12 (SF)

Please make cheques & PO's payable to MCPD.

MCPD, 6 Colchester Road, Prittlewell, Southend-on-Sea, Essex SS2 6HP, England.

Open from 9.30am till 6.00pm, Mon - Sat. Answerphone outside biz Hrs.

DISK PRICES

1-11 @ £1.30 each
12+ @ £1.00 each
I FREE Disk of your choice
with every 10 ordered.

• Plus compatible

Catalogue Disk £1.00
Please add 70p p&p
per order.

All Prices include VAT.

Third Reich

£29.99

by Avalon Hill Games Company

Wizardry VI

Bane of the Cosmic Forge

OFFICIAL CLUE BOOK £12.99

£35.99

DREADNOUGHTS

From Peter Turcan

Due March

Dreadnoughts... (Game).....	£31.99
Ironclad Scenarios..... 1894-1916.....	£16.99
Bismarck Scenarios... WW2.....	£16.99

HARPOON Special

Plus

Battlesets 1&2 Amiga £31.99

Harpoon BATTLEBOOK (300+ pages), £ 16.99

Battleset #2 "North Atlantic Convoys" £22.99 import

Battleset #3 "The Med Conflict" £14.99

Battleset #4 "Indian Ocean" SOON

Scenario Editor..... £19.99

Strategic Plus Software

VISIT our SHOP in Hampton Hill
or send for our 7th Edition CATALOGUE.

Mail Order and Overseas orders welcome.

Phone 081 977 8088 Fax 081 977 4822

28 D&E The Courtyard, High Street, Hampton Hill, Middx. TW12 1PD.

Beaugh's British Domain

Phone for PD Catalogue

43 Parkway Towers, Seacroft,
Leeds LS14 6UX

Tel: (0532) 642 550

SOUTH COAST SOFTWARE

"The Best For P.D."

Disks at the most competitive prices.

Send S.A.E. for M/O catalogue

THE OLD BARN,
TREKNOW, TINTAGEL
CORNWALL

Or phone for direct service on:
(0840) 770697



Save £14

AMOS

They call it *The Creator*! A superb easy-to-use programming language for creating games, educational programs – almost anything! Comes complete with *AMOS Sprites 600*. LATEST VERSION!

Description	Price	Order No
AMOS	£35.95	AM168



SAVE £10

Stereo Master

This updated version of Microdeal's *MasterSound* is an ideal entry level sound sampler. Its numerous features, and improved easy-to-use graphic interface, make this an excellent bargain for budding music freaks.

Description	Price	Order No
Stereo Master	£29.99	AM234

**AF T-shirt**

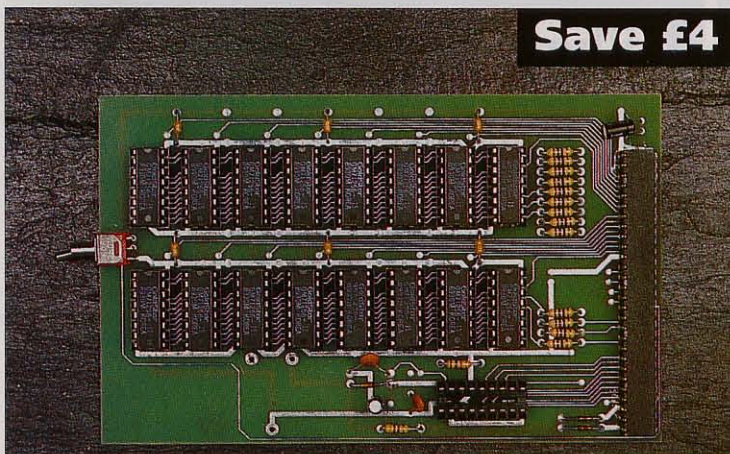
The exclusive limited-edition **Amiga Format** T-shirt is now available to **Amiga Format** readers. It features the 'Lichtenstein' pop-art cover of Issue 20 in a large four-colour back print, new logo on the front.

Description	Price	Order No
Amiga Format T-shirt	£8.99	AM225

Amiga Format

Mail Order

We've picked out the best and we bring it to you at a bargain price!

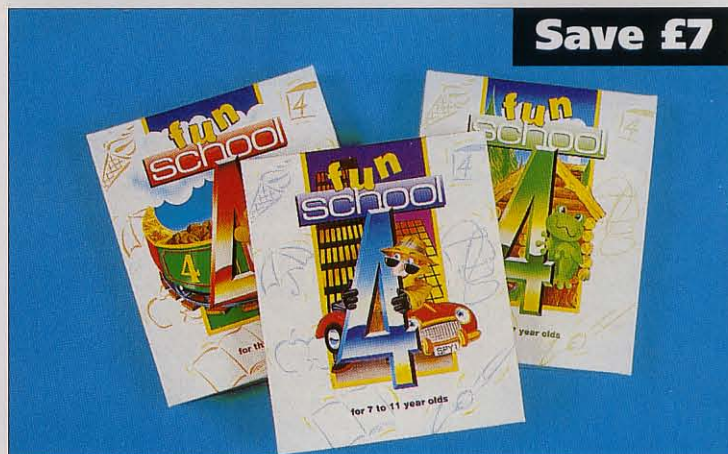
512K Expansion

Save £4



Made by WTS in the UK, this isn't the most glamorous memory expansion you'll ever see: but it gets the job done and it means we can bring 512K users the memory expansion you need at the lowest possible price! It also comes with a battery-backed-up clock, so you need never set the time again. More and more software is being produced that will only work properly on a one Megabyte machine: and if you don't have an expansion, you're missing out on the complete full-price programs, like *Vista*, brought to you on last month's Coverdisk, or on getting the most out of *PageSetter* on this month's. Get upgraded!

Description	Price	Order No
512K RAM Expansion	£25.99	AM237

Fun School 4

Save £7



The latest versions of the top-selling home educational programs are here! The *Fun School* series aims to teach basic skills to children via enjoyable games. The new series comes in three different flavours, aimed at three age groups: Teddy looks after the under fives, Freddie the Frog caters for the five-to-seven year olds, while Sammy the Spy is there for eight-to-elevens. Each age level has six different games, which teaches and tests different facts and concepts.

Description	Price	Order No
Teddy Disk	£17.99	AM231
Frog Disk	£17.99	AM232
Spy Disk	£17.99	AM233



Oh No! More Lemmings

Who could complain about getting more of the top game of 1991! This adds another 100 levels to the original, and we're offering you the stand-alone version, so you don't need the original *Lemmings* to play it!

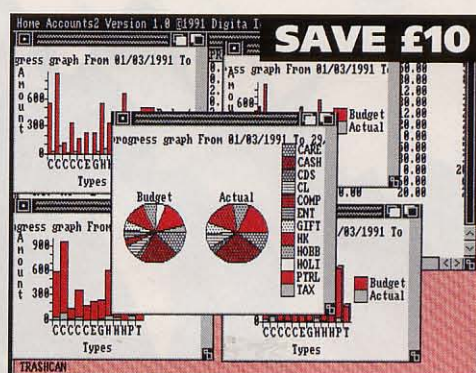
Description	Price	Order No
Oh No! More Lemmings	£19.99	AM236



Celtic Legends

Huge, beautifully-presented and intriguing game based around a board-game style hex system, with the emphasis on combat. Absorbing and intelligent: rated 85 per cent in **Amiga Format** Issue 30.

Description	Price	Order No
Celtic Legends	£23.99	AM235



Home Accounts 2

Described by **Amiga Format** as "a package which will suit any household", this is the ideal way to keep track of your financial affairs, from what's in your cheque account to how much is left after the bills!

Description	Price	Order No
Home Accounts 2	£44.99	AM229

Back Issues

Why miss out on invaluable information just because you didn't buy an issue when it went on sale? Back issues even come complete with the original Coverdisk: see Pages 164-5 to find out what was in each issue. While you're about it, why not get a binder to collect your new issues?

ISSUE	Price	Order No
Issue 9	£4.00	AMF9
Issue 14	£4.00	AMF14
Issue 16	£4.00	AMF16
Issue 17	£4.00	AMF17
Issue 19	£4.00	AMF19
Issue 21	£4.00	AMF21
Issue 22	£4.00	AMF22
Issue 23	£5.00	AMF23
Issue 24	£5.00	AMF24
Issue 25	£4.00	AMF25
Issue 27	£4.00	AMF27
Issue 28	£4.00	AMF28
Issue 30	£5.00	AMF30
Issue 33	£5.00	AMF33
One binder	£4.95	AM108
Two binders	£9.00	AM109



Award Winners Compilation

What a combination! The Format Gold ground-breaker *Populous*, stunning footie fun in *Kick Off*, the cartoon-on-a-disk *Space Ace* and the top-class puzzle game *PipeMania*: all rolled into one great package.

Description	Price	Order No
Award Winners Comp	£20.99	AF245



New Technosound Turbo

The newly updated sampler from New Dimensions allows you to grab digitised sounds, then sequence them into simple compositions. Package contains new cartridge, updated manual *and* set of audio leads.

Description	Price	Order No
Technosound Turbo	£29.95	AF246

See our remarkable Subscription offer on Page 160!

Amiga Format Mail Order

Name _____

Address

Post code

Telephone No. _____

SEND THIS FORM TO:

**Amiga Format,
Future Publishing
Ltd, Freepost,
Somerton,
Somerset, TA11 7BR**

Description	Price	Order No.
Total Order		

**No stamp required
if posted in the
United Kingdom,
Channel Islands or
the Isle of Man**

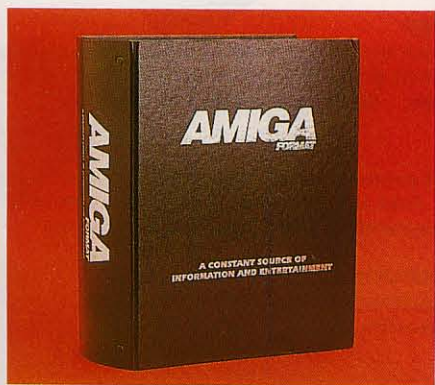
**For overseas orders
call Nikki for prices
on 0458 74011**

Expiry Date _____

Method of payment (please circle) Access • Visa • Cheque • PO

Please make all cheques payable to **Future Publishing Limited.**

Credit Card No.



All prices include postage, packing and VAT



No Hidden Extras



HOTLINE 0458 74011

ACTION



THE WORLD'S CARTRIDGE IS

NOW WITH A

JUST LOOK AT THE UNMATCHED RANGE OF FEATURES

● SAVE THE ENTIRE PROGRAM IN MEMORY TO DISK

Special compacting techniques enable up to 3 programs to fit on one disk. Now saves directly to disk as Amiga Dos - reloads independently of the cartridge - even transfer to hard drive! Works with up to 2 Megs of Ram - even 1 Meg Chip Mem (Fatter Agnus).

NEW SUPER POWERFUL TRAINER MODE -

now with DEEP trainer. Even better than before - allows you to generate more or even infinite lives, fuel, ammo. Perfect as a Trainer Mode to get you past that "impossible" level. Easy to use.

● IMPROVED SPRITE EDITOR

The full Sprite Editor allows you to view/modify the whole sprite set including any "attached" sprites. PLUS A RANGE OF IMPROVED FEATURES.

● VIRUS DETECTION

Comprehensive virus detection and removal features to protect your software investment. Works with all presently known viruses.

NEW BURST NIBBLER.

Now this super disk copier program is built into Action Replay Mk III. Just imagine a superfast, efficient disk copier program at the press of a key - no more waiting.

● SAVE PICTURES AND MUSIC TO DISK

Pictures and sound samples can be saved to disk. Files are saved directly in IFF format suitable for use with all the major graphic and music packages. Samples are displayed as screen waveform.

NEW PAL or NTSC MODES SELECTABLE -

Useful for removing ugly borders when using NTSC software. (Works only with newer Agnus chips).

NEW MANY MORE INSTANT CLI COMMANDS -

like Rename, Relabel, Copy, etc.

● SLOW MOTION MODE

Now you can slow down the action to your own pace. Easily adjustable from full speed to 20% speed. Ideal to help you through the tricky parts!

● RESTART THE PROGRAM

Simply press a key and the program will continue where you left off.

● FULL STATUS REPORTING

At the press of a key now you can view the Machine Status, including Fast Ram, Chip Ram, RamDisk, Drive Status, etc.

● POWERFUL PICTURE EDITOR

Now you can manipulate and search for screens throughout memory. Over 50 commands to edit the picture plus unique on screen status "overlay" shows all the information you could ever need to work on screens. No other product comes close to offering such dynamic screen handling of frozen programs!!

NEW

JOYSTICK HANDLER -

allows the user to select Joystick instead of Keypresses - very useful for many keyboard programs.

● MUSIC SOUND TRACKER

With Sound Tracker you can find the complete music in programs, demos, etc. and save them to disk. Saves in format suitable for most track player programs. Works with loads of programs!!

● AUTOFIRE MANAGER

From the Action Replay III preference screen you can now set up autofire from 0 to 100%. Just imagine continuous fire power? Joystick 1 and 2 are set separately for that extra advantage!

NEW

IMPROVED RAM EXPANSION SUPPORT.

Now many more external Ram Expansions will work with all Action Replay III commands.



HOW TO GET YOUR ORDER FAST!

TELEPHONE [24Hrs] **0782 744707** CREDIT CARD ORDERS

ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO....



DATEL ELECTRONICS LTD.



GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT, ST4 2RS, ENGLAND

FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324

ACTION REPLAY MK III

**MOST POWERFUL FREEZER-UTILITY
NOW EVEN BETTER!!**

**STILL ONLY
£59.99**

**MASSIVE 256K OPERATING SYSTEM IN ROM OFFERING
A WHOLE NEW RANGE OF MK III FEATURES**

**AMIGA ACTION REPLAY SIMPLY PLUGS INTO THE EXPANSION PORT OF
YOUR AMIGA AND GIVES YOU THE POWER TO FREEZE MOST ANY PROGRAM**

DOS COMMANDS

Now you have a selection of DOS commands available at all times - DIR, FORMAT, COPY, DEVICE, etc.

NEW

FILE REQUESTOR -

if you enter a command without a filename, then a file requestor is displayed.

DISK COPY

Disk Copy at the press of a button - faster than Dos Copy. No need to load Workbench - available at all times.

BOOT SELECTOR

Either DF0 or DF1 can be selected as the boot drive when working with Amiga Dos disks. Very useful to be able to boot from your external drive.

NEW

PLUS IMPROVED DEBUGGER COMMANDS -

including Mem Watch Points and Trace.

DISKCODER

With the new "Diskcoder" option you can now 'tag' your disks with a unique code that will prevent the disk from being loaded by anyone else. 'Tagged' disks will only reload when you enter the code. Very useful for security.

NEW

SET MAP -

allows you to Load/Save/Edit a Keymap.

PREFERENCES

Action Replay III now has screen colour preferences with menu setup. Customise your screens to suit your taste. Very simple to use.

DISK MONITOR

Invaluable disk monitor - displays disk information in easy to understand format. Full modify/save options.

NEW

IMPROVED PRINTER SUPPORT -

including compressed/small character command.

PLUS A MACHINE CODE FREEZER MONITOR WITH EVEN MORE POWER!!

MORE FEATURES INCLUDING 80 COLUMN DISPLAY AND 2 WAY SCROLLING...

- Full M68000 Assembler/Disassembler
- Full screen editor
- Load/Save block
- Write String to memory
- Jump to specific address
- Show Ram as text
- Show frozen picture
- Play resident sample
- Show and edit all CPU registers and flag
- Calculator
- Help command
- Full search feature
- Unique Custom Chip Editor allows you to see and modify all chip registers - even write only registers!
- Notepad
- Disk handling - show actual track, Disk Sync. pattern etc.
- Dynamic Breakpoint handling
- Show memory as HEX, ASCII, Assembler, Decimal
- Copper Assemble/Disassemble - now with suffix names

**REMEMBER AT ALL TIMES YOU ARE INTERROGATING THE PROGRAM IN IT'S
"FROZEN" STATE WITH ALL MEMORY AND REGISTERS INTACT
- INVALUABLE FOR DE-BUGGING OR JUST THE INQUISITIVE!**

AUSTRALIAN DISTRIBUTOR

Macro-Soft

29 Lasscock Avenue,
Lockleys, S. A. 5032
Telephone (08) 234 5050
Fax (08) 352 8305

UPGRADE INFORMATION

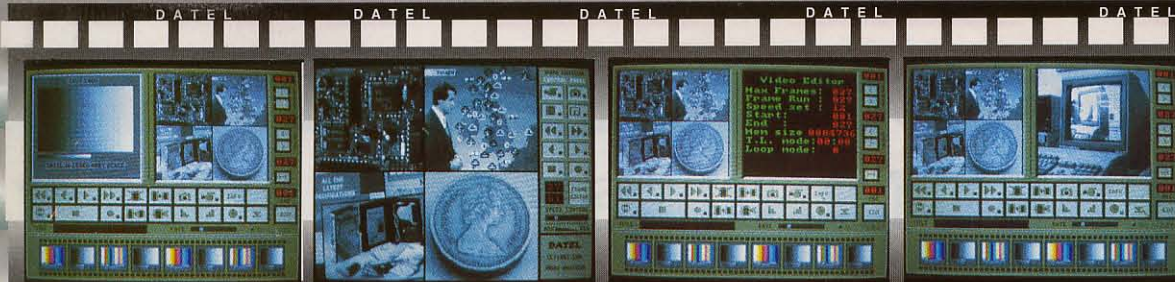
OWNERS OF AMIGA ACTION REPLAY MK II CARTRIDGE
CAN UPGRADE TO THE NEW MK III VERSION BY
RETURNING THEIR OLD CARTRIDGE PLUS £39.99
INCLUDING POSTAGE, PACKAGING AND HANDLING.
PLEASE CLEARLY MARK THE OUTSIDE OF YOUR PACKAGE
"ACTION REPLAY UPGRADE"

WARNING 1988 COPYRIGHT ACT WARNING

Date! Electronics Ltd., neither condones or authorises the use of its products for the reproduction of copyright material.

The backup facilities of this product are designed to reproduce only software such as Public Domain material, the users own programs or software where permission to make backups has been clearly given. It is illegal to make copies, even for your own use, of copyright material, without the clear permission of the copyright owner, or the licensee thereof.

VIDEO DIGITIZER II



ONLY
£89.99

NOW YOU CAN DIGITIZE PICTURES FROM ANY VIDEO CAMERA OR VCR

- Completely newly designed interface that plugs into the expansion connector of the Amiga 500 or internal connector of the Amiga 2000.
- Standard phono video input 0.5 to 2.0 volts to take signals from TV, video or camera.
- Control brightness, contrast and throughport on A500 version.
- Frame grab in 1/50 second, record update up to 3 frames per second.
- Single or continuous update in 4, 8 or 16 grey levels.
- Play frames backwards or forwards up to 15 frames per second.
- Save Raw, IFF or sequence files.
- Automatically adjust for maximum number of frames according to memory available.

- Display 256 x 256 pixels, but optional 320 x 256 IFF Save.
- Screen editing features Cut, Copy, Brush, Paste and Undo. Effects menu to reverse pos/neg, compress, etc.
- Second display editor controls sequence production: Record, Play, Insert, Clear, Delete Frames.
- Set start and end position number of frames saved, number frames, step backwards and forwards, loop, etc. Time lapse feature adjustable in 1 second increments to 1 hour between each frame. Ideal for capturing flowers opening, sky movements, special effects, etc.
- Separate player programs included to insert into your own program disks. Hard disk transfer program.
- Please state A500 or 2000 version when ordering.



NOW WITH FULL COLOUR — OPTION —

**WITH THE ADDITION OF THE RGB SPLITTER,
TO THE VIDEO DIGITISER II YOU CAN OBTAIN
COLOUR IMAGES IN ONLY 1 SECOND!!**

RGB COLOUR SPLITTER
ONLY £79.99
BUY VIDEO DIGITISER II PLUS
RGB COLOUR SPLITTER FOR
ONLY £149.99

- The Splitter unit plugs alongside the Digitiser and a lead is supplied to couple the two units together.
- Full adjustment of Red, Green and Blue signals together with a saturation control enabling you to take full control over any image.
- The Splitter is switched in software and comes complete with Digitiser Colour Software.
- You can select single continuous colour or B/W input. Files can be saved in Raw 4096 colour format, 8 or 32 colour IFF files or 16 shade B/W IFF.
- Features include full palette control editing of frame and colour retouch calculator.
- Input from camera, camcorder or video recorder (paused). No more messing with colour filters.



HOW TO GET YOUR ORDER FAST!
TELEPHONE [24Hrs] **0782 744707** CREDIT CARD ORDERS
ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO...



DATEL ELECTRONICS LTD.



GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT, ST4 2RS, ENGLAND.
FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324

A/F VIDIGI

L i m i t e d

AMIGA PRO SAMPLER STUDIO II + DATEL JAMMER

- New design hardware now plugs into expansion socket of A500 completely freeing the parallel port.
- Save files in Raw or single, multi-octave IFF format.
- Surface mount technology, twin A/D converters for realtime stereo sampling.
- Extensive filters for extremely clean and noise-free sampling.
- Through bus allows existing add ons, e.g. hard drive.
- The NEW Sampler II software has been completely re-written in 100% Machine Code and incorporates faster routines, bigger displays and many new editing features such as Cut, Copy, Insert, Replace, Mix, Erase, etc.
- Stereo lock control.
- Separate zoom windows and controls for left and right channels.
- Multi-bank facilities for 1 Meg users.
- Adjustable trig record level and sound monitor.
- Separate buffer for editing waveforms and improved wave-editor with instant update.
- Envelope control panel for ramping up and down re-scale amplitude, noise filter and scan waveform.
- On screen display of filenames sample rate, length, etc.
- Inputs for microphone or line 1/4" jack and DIN connections at rear of unit.

**STEREO
SAMPLING**

**NEW
LOWER
PRICE**

NOW ONLY £49.99 COMPLETE (A500)
INTERNAL 2000/1500 VERSION ALSO AVAILABLE

CUMANA
QUALITY DISK DRIVES

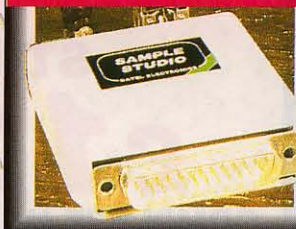
CUMANA CAX 354 3.5" DISK DRIVE

- Legendary Cumana quality now at an extremely low price!
- Throughport allows daisy-chaining with other disk drives.
- A full 1 meg of unformatted capacity (880K fully formatted).
- A good length of cable is provided for convenient positioning on your desk etc.
- High precision head positioning.
- On/Off switch.
- Extremely quiet and click free operation.

ONLY £59.99

IF NEXT DAY COURIER DELIVERY IS
REQUIRED THEN PLEASE ADD £5

NEW MINI SAMPLER



- A top quality 8 bit mono sampler complete with Pro Sampler and Jammer software.
- Also compatible with most other PD Sampler software.
- Inputs for microphone or line 3.5mm jack and din connections.
- Utilises latest surface mount technology and incorporates all the features found on bigger, more expensive samplers.
- Easy to use - just plug in and start sampling!

ONLY £24.99
COMPLETE PLEASE STATE
A500/1000/2000/1500

MICROMIDI

- Fully compatible Midi Interface for A500/2000.
- MIDI In - MIDI Out - MIDI Thru.
- Fully Opto isolated.

NOW ONLY £14.99

MIDIMASTER

- Midi In - 3 x Midi Out & Midi Thru.
- Full Midi Interface for A500/1000/2000 (please state which model req.).
- Compatible with all leading Midi packages (In D/Music).
- Fully Opto isolated.

NOW ONLY £19.99
INCLUDING 2 FREE MIDI CABLES

INTERNAL MIDI INTERFACE FOR 2000,1500

- Now an internal interface for the Amiga 2000 and 1500.
- Easily fitted in minutes.
- Leaves serial port free for other uses.
- Midi In, 3 x Midi Out and Midi Thru.
- Fully compatible - Opto isolated.

ONLY £29.99

INC. 2 FREE MIDI CABLES

NOW YOU CAN PRINT OUT YOUR PICTURES IN FULL COLOUR!

- The Star LC200 Colour Printer not only prints in Near Letter Quality for your regular jobs but also prints out your pictures in genuine colour!
- No more to buy - just plug in and print!!
- Comes complete with printer lead.

NOW ONLY £229.00



GENIUS MOUSE

- High quality direct replacement for mouse on all Amigas.
- Teflon glides for smoother movement.
- Rubber coated ball for minimum slip.
- Optical system counting - 500/mm.

Special offer - FREE Mouse Mat + Mouse House (worth £7.99)

NOW ONLY £19.99 COMPLETE



**NEW
LOWER
PRICE**

HOW TO GET YOUR ORDER FAST!

TELEPHONE [24Hrs] **0782 744707** CREDIT CARD ORDERS
ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO...

DATEL ELECTRONICS



GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT,

ST4 2RS, ENGLAND. FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324

DATEL LONDON SHOP



222, TOTTENHAM COURT RD,
LONDON, W1. Tel 071 580 6460

A TOP QUALITY 400 DPI HANDY SCANNER AT A TRULY UNBEATABLE PRICE!!



STILL ONLY
£129.99

COMPLETE HARDWARE/SOFTWARE

SCANNING COULDN'T BE SIMPLER...

NEW IFF Buffer Save 1600 x 1024 pixels, dual buffer, scan matching and view Buffer.
● Unmatched range of edit/capture facilities and keyboard control simply not offered by other scanners at this unbeatable price.

NEW Full keyboard control of most functions.
● An easy to handle Handy Scanner featuring 105 mm scanning width and 400 dpi resolution enables you to scan graphics and text into your Amiga.

NEW Includes hard disk transfer to run under Workbench.
● Adjustable switches for brightness/contrast levels.

NEW Screen grid overlay and configure menu to save parameters.

NEW Full sizing menu of scan area.

● Geniscan gives you the ability to easily scan images, text and graphics and even offers 200Dpi Dual Scan Mode.

NEW X, Y position readout and metric sizes.
● Save images in suitable format for most leading packages including PHOTON PAINT, DELUXE PAINT, etc.

NEW View window and position control panel.
● Package includes Handy Scanner, Interface, Power Pack and Scan Edit IV software.

NEW Icon menu to select functions.
● Powerful partner for DTP that allows for cut and paste editing of images etc.

**NEW
VERSION IV
SOFTWARE**

**COMES WITH
FREE
PHOTON PAINT**

- Comes complete with Photon Paint Illustrator Software.
- Huge range of features.
- Top selling graphics package.

GOLDEN IMAGE OPTICAL REPLACEMENT MOUSE

**... NOW A TRUE OPTICAL
MOUSE! FOR THE AMIGA**

● **YES A FULL FEATURE OPTICAL MOUSE FOR YOUR AMIGA - THAT MEANS NO MOVING PARTS!**

- Incorporating full optical tracking and counting - no ball so no problems with clogging, slipping, etc.
- High count output for very fine movement.
- Two button microswitch action.
- Direct replacement for all Amigas.
- Comes complete with special "Optical Pad".
- Superbly styled - supersmooth shape moulded to fit the hand.
- Comes complete with moulded 9 pin connector.



No more to buy!!

**COMPLETE
ONLY £39.99**

HOW TO GET YOUR ORDER FAST!

TELEPHONE [24Hrs] **0782 744707** CREDIT CARD ORDERS
ORDERS NORMALLY DISPATCHED WITHIN 48 Hrs. ALL CHEQUES/POSTAL ORDERS MADE PAYABLE TO...



DATTEL ELECTRONICS



GOVAN ROAD, FENTON INDUSTRIAL ESTATE, FENTON, STOKE-ON-TRENT,
ST4 2RS, ENGLAND. FAX 0782 744292 TECHNICAL/CUSTOMER SERVICE 0782 744324

A/F SCAN 2

DATTEL LONDON SHOP



222, TOTTENHAM COURT RD,
LONDON, W1. Tel 071 580 6460

**DATTEL
Electronics**

L i m i t e d

NEW
LOWER
PRICES!

AMIGA PACKS

NEW
LOWER
PRICES!

ALL PRICES INCLUDE VAT. ALL ORDERS OVER £100 ARE SUBJECT TO £5 UK DELIVERY CHARGE. ORDERS OVER £100 RECEIVED BEFORE 2PM ARE USUALLY DESPATCHED THE SAME DAY FOR DELIVERY ON THE NEXT WEEK DAY. ORDERS UNDER £100 ARE SENT 1ST CLASS RECORDED POST. ALL PRODUCTS ARE UK STOCK AND CARRY A FULL 12 MONTH COMMODORE WARRANTY. PLEASE RING US BEFORE ORDERING TO CHECK STOCKS AND CURRENT PRICES.

All Amiga packs include the A500 PLUS & A1500 PLUS.

AMIGA A500+ 1MB CARTOON CLASSICS Amiga A500 computer, supplied with 1MB ram built in, Kickstart V2, expansion to 2MB ram possible via "trap door", mouse, tv modulator, manuals, Workbench V2 etc disks, plus the following top selling software titles : Lemmings, The Simpsons, Captain Planet and Deluxe Paint 3 **£349.00**

AMIGA A500+ 2MB CARTOON CLASSICS Amiga A500 computer, supplied with 1MB ram built in and an extra 1MB expansion board (giving a total of 2 megabytes of ram), Kickstart V2, mouse, tv modulator, manuals, Workbench V2 etc disks, plus the following top selling software titles : Lemmings, The Simpsons, Captain Planet and Deluxe Paint 3 **£389.00**

AMIGA A1500+ BASE A1500 computer with 1MB ram and now with Kickstart V2 and Workbench V2 software, detachable keyboard, 2 x 3.5" 880k disk drives built in, mouse and all manuals. The Amiga A1500 accepts A2000 peripherals. The A1500+ base pack is supplied with no software. Please note that the A1500 does NOT have a modulator. **£509.00**

AMIGA A1500+ PACK A consists of A1500+ base pack and the following software : Platinum Works, Deluxe Paint Version 3, Populous, Simm City, Battle Chess, Their Finest Hour (Battle of Britain) and 2 books **£559.00**

AMIGA A1500+ PACK B consists of A1500+ base pack and the following software : Platinum Works, Deluxe Paint Version 3, Home Accounts, Elf, Puzznic, Toki and Getting the Most Out Of Your Amiga book **£559.00**

Hard Disk Drives

A500 HARD DISKS

GVP Series II 52Mb Hard Disk	£379.00
GVP Series II 105Mb Hard Disk	£549.00
Protar 20Mb Hard Disk	£275.00
Protar 50Mb Hard Disk	£369.00
Protar 80Mb Hard Disk	£595.00
PHONE FOR OTHER PROTAR SIZES	

A1500 HARD DISKS

GVP 52Mb Hard Card	£289.00
GVP 120Mb Hard Card	£469.00
GVP 200Mb Hard Card	£849.00

PLEASE PHONE FOR PRICES ON RAM UPGRADES ETC FOR ANY OF THE ABOVE HARD DISK DRIVES.

Colour Monitors

PROTAR VISTO C14M

- * 14" Colour monitor
- * Stereo speakers
- * 600 x 285 pixel resolution
- * RGB / Composite inputs
- * Green screen switch
- * Free with Amiga lead
- * Improved version of 8833 II
- * 1 year REPLACEMENT warranty

only £ 219.99

Accessories

512K ram expansion + clock	£29.99
External disk drive	£59.00
Squick replacement mouse	£14.99
Amiga A500 dust cover	£6.99
Mouse Mat	£3.50
Cruiser Joystick	£8.99
Zipstick Joystick	£9.99

PRINTERS

ATTENTION ALL CITIZEN PRINTER BUYERS!

We are offering, to all buyers of Citizen printers some very special offers:

1. CITIZEN PRINTER STARTER PACK. The pack comprises of : 3.5" disk full of printer drivers for the ST, Amiga & PC; 200 sheets of fanfold tractor feed paper; 200 fanfold tractor feed address labels; 5 tractor feed envelopes all for only £12.99.

2. CITIZEN COLOUR PRINTING KIT. This kit enables you to upgrade either the Swift 9, Swift 24E or 224 to a full colour printer. The kit comes with a colour ribbon. Normally retailing at around £40.00, we are offering, while stocks last, the chance to buy this colour kit for only £19.99.

NEW LOW PRINTER PRICES

Citizen 120D + (9-pin, 144 cps draft, 30 cps NLQ)	£129.00
Citizen Swift 9 (9-pin, 192 cps draft, 48 cps NLQ)	£189.00
Citizen Swift 224 (24-pin, 192 cps draft, 64 cps LQ)	£229.00
Citizen Swift 24E (24-pin, 216 cps draft, 72 cps LQ)	£289.00
Citizen Swift 24X (24-pin, 15" carriage)	£399.00
Star LC20 Mono (9-pin, 180 cps draft, 44 cps NLQ)	£159.00
Star LC200 Colour (9-pin, 180 cps draft, 45 cps NLQ)	£220.00
Star LC24-200 Mono (24-pin, 200 cps draft, 67 cps LQ)	£260.00
Star LC24-200 Colour (24-pin, 200 cps draft, 67 cps LQ)	£295.00
Canon BJ10EX Bubble Jet (ink jet, now EPSON compatible)	£265.00
Hewlett Packard DeskJet 500 (ink jet, 3 pages per minute)	£389.00
Hewlett Packard DeskJet 500 Colour (NEW! full colour inkjet)	£619.00

HAVE YOU GOT A V1.3 AMIGA ?

DO YOU WANT VERSION 2 KICKSTART & WORKBENCH ?

If so, we now have in stock the new VERSION 2 UPGRADE KIT. The kit consists of the Kickstart 2 Rom, Workbench 2 software (including the Extras disk and the Fonts disk) and the Workbench 2 full manuals. Easy to fit and requires no soldering.

£ 79.99

1MB Ram Upgrade

If you want to expand you Amiga A500 Plus to a total of 2MB then why not fit the new 1Mb Ram Board ? This extra ram will unleash the full graphics capabilities of the A500 Plus and is ideal for many other applications such as sound sampling, data storage etc... It's simple to fit, without any modification, and will not invalidate your computers warranty.

£49.99

FOR USE WITH THE A500 PLUS ONLY

ROM Switcher

Some older software will not run on the new Amiga A500 Plus with Kickstart V2.04 Rom but they do run on the older V1.3 A500s.

We are now stocking the Phoenix Rom Switcher which means, once installed, you can switch between Kickstart 1.3 and 2.04 giving you all the benefits of both Amigas and solving those incompatibility problems. It can be easily installed to the A500 Plus and comes supplied with Kickstart V1.3 Roms. Included in the kit is a microswitch which can be mounted virtually anywhere to enable toggling between the two Rom versions.

£49.99

FOR USE WITH THE A500 PLUS ONLY

SOFTWARE

LEMMINGS	£7.99
THE SIMPSONS	£7.99
CAPT PLANET	£7.99
DPAINT 3	£19.99
ALL 4 TITLES	£34.99

IF YOU WISH TO ORDER WITH US, THEN PLEASE SEND YOUR CHEQUES, BANKERS DRAFTS, POSTAL ORDERS, CASH ETC TO OUR MAIL ORDER ADDRESS (PLEASE MAKE CHEQUES PAYABLE TO BEST PRICES) OR RING OUR MAIL ORDER HOTLINE ANY TIME BETWEEN 8.00AM AND 8.00PM, 7 DAYS A WEEK, (OUR LINES ARE PERSONALLY MANNED - THIS IS NOT AN ANSWERPHONE) AND USE YOUR CREDIT CARD. ALL ORDERS OVER £100 SUBJECT TO £5 DELIVERY CHARGE.

VISIT OUR SHOWROOM

CHIPS COMPUTER CENTRE, 53 RUGBY ROAD, WORTHING, WEST SUSSEX, BN11 5NB.

TEL : (0903) 700804.

OPENING : MON TO FRI 10AM TO 6PM. SAT 9.30AM TO 5.30PM
FINANCE / CREDIT FACILITIES (SHOP ONLY).
PART EXCHANGE CONSIDERED (SHOP ONLY).
NEW AND USED ST, AMIGA & PC EQUIPMENT ON DISPLAY
ALL TYPES OF SOFTWARE (BUSINESS / LEISURE / EDUCATIONAL).
REPAIRS UNDERTAKEN. TRAINING. INSTALLATION. ON-SITE WARRANTIES.



MAIL ORDER ONLY

BEST PRICES (DEPT AF), 53 RUGBY ROAD, WORTHING, WEST SUSSEX, BN11 5NB.

TEL : (0903) 700714.

OPENING : 7 DAYS A WEEK 8AM TO 8PM
ALL PRICES INCLUDE VAT. ALL ORDERS OVER £100 ADD £5 FOR NEXT WEEKDAY COURIER DELIVERY. ORDERS UNDER £100 ARE SENT BY POST.
NOTE - CREDIT CARDS ARE SUBJECT TO VERIFICATION BY CARD ISSUERS.
GOODS USUALLY SENT OUT THE SAME DAY WHEN CLEARED PAYMENT IS RECEIVED BEFORE 2PM.
PERSONAL CHEQUES REQUIRE 7 DAY CLEARANCE.

All prices include 17.5% VAT. Free delivery ONLY on orders under £100. All prices / specifications / special offers subject to change without notice.

ALL OUR TELESales LINES ARE PERSONALLY MANNED AND OPEN FROM 8.00AM UNTIL 8.00 PM - 7 DAYS A WEEK



ELECTRONIC ARTS

JOHN MADDEN
FOOTBALL
BIRDS OF PREY
POPULOUS 2
PGA TOUR GOLF



MICROPROSE

SPECIAL FORCES
FORMULA ONE GP
KNIGHTS OF THE SKY
MICROPROSE GOLF
F-15 STRIKE EAGLE II



OCEAN

PARASOL STARS
THE ADDAMS FAMILY
WIZKID
ROBOCOP 3
WWF WRESTLEMANIA

Prizes for pl

GET THE HIGH SCORE
AND **WIN!**

**YOU CAN'T
AFFORD TO
MISS IT!**

Book your tickets
now and save even
more money with
our special early
booking discount.
Instead of £6 you
pay £4.95 - or
£2.95 for under 14s.
Return the form
straight way to
guarantee your
show ticket.

YES! I would like to order advance tickets to the Amiga Shopper Show and save £1.05 a ticket.

Please send me ____ adult tickets at the special discount price of £4.95.

Please send me ____ under-14 tickets at the special discount price of £2.95.

Total payment: £

Method of payment (please circle) Access/Mastercard Visa Cheque PO

Credit card number _____ Expiry date _____

Please make all cheques payable to AMIGA SHOPPER SHOW

Name

Address

.....

.....

Postcode..... AF05

Send this form to: AMIGA SHOPPER SHOW, PO Box 2, Ellesmere Port, South Wirral, L65 3EA
This offer closes on May 8th.

DATA PROTECTION ACT: The information on this form will be held on computer for the use of Future Publishing and its subcontractors.

Credit card *hotline* -



PSYGNOSIS

AGONY
LEANDER
ORK

OH NO! MORE LEMMINGS
BARBARIAN II



US GOLD

ANOTHER WORLD
CRUISE FOR A CORPSE
MONKEY ISLAND II
THE GODFATHER
EYE OF THE BEHOLDER II



VIRGIN

JIMMY WHITE'S
WHIRLWIND SNOOKER
REALMS
ROLLING RONNY
FLOOR 13

aying games!

Just because the **Amiga Shopper Show** is being organised by the leading serious Amiga magazine doesn't mean that it's going to be all work and no play. No siree.

You'll be able to play the very latest in top games from the leading software houses – some of them well before they get reach the shops! The AMIGA POWER games arcade will feature the latest and greatest from:

- **Electronic Arts**
- **Ocean**
- **US Gold**
- **MicroProse**
- **Psygnosis**
- **Virgin**

And that's not all! The AMIGA POWER team will be there, awarding prizes for the high scores achieved during the show, and there'll be plenty of opportunity for you to

play the games – and, indeed, the reviewers! – of your choice.

Then there'll be tutorials and question and answer sessions on games

programming, led by some of the most famous game creators around. You can learn how all those stunning graphics are produced, and how digitised sounds are created.

And of course

you'll be able to buy the very latest in games from dozens of specialist stands – and at incredible prices too!

You just can't afford to miss the Amiga Shopper Show. It's being held at the Wembley Exhibition Centre in London from Friday May 15th to Sunday May 17th. Just fill in the form to reserve your tickets.



WEMBLEY EXHIBITION CENTRE • MAY 15 - 17

It'll save you serious money

051-356 5085

GASTEINER

Tel: +44 081-365 1151
Fax: +44 081-885 1953

Trade & Educational
Orders Welcome

Technologies

Credit Cards
Welcome

Personal Callers
Welcome

Presenting an outstanding range of products from **GASTEINER**

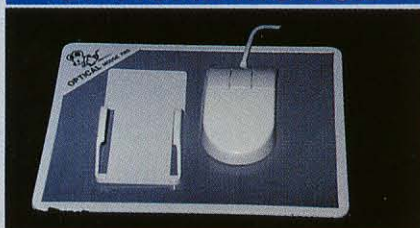
THE TRACK BALL



Excellent quality three button track ball with click & hold. Smooth, precise, and priced at

£39.95

OPTICAL MOUSE



Fast 300dpi resolution ideal for DTP. Includes pad & holder. 600mm/sec tracking speed

£35.00

CORDLESS MOUSE



NEW!!

Fully rechargeable with long 6ft transmission distance.

£49.95

OPTO-MECH MOUSE



High resolution 300dpi mouse, with micro-switch buttons. Smooth and reliable. Long 6ft cable.

£19.95

Extra durable replacement mat for Optical Mouse

£9.00

MEMORY MASTER



A New Age fast RAM expansion for Amiga 1500/2000/2500/3000, with 2Mb memory.

£129

Expandable to 4/6/8 Mb.

ALF 2008



NEW!!

Universal HardDisk controller. Fully configurable, highly adaptable, totally compatible.

Controller £129

+2MB £189 +6Mb £309

+4MB £249 +8Mb £369

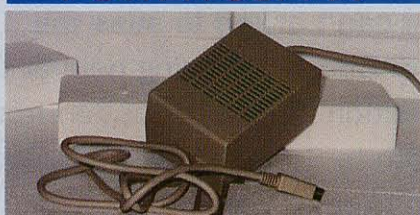
Auto Mouse/Joystick Switch



Allows selection of mouse or joystick

£17.95

POWER SUPPLY



for A500, original Commodore

£34.95

1.3/2.0 Kickstart Switch **£19.95**

Boot Selector for

A500/A2000

£17.95

SCANNER



U.K.'s best selling scanner - 400dpi, 256 Greyscale, with Touch-Up software and Merge It (lets you scan full A4 page)

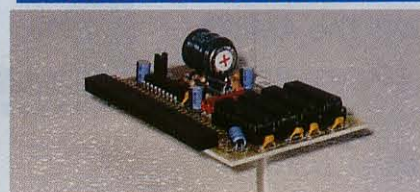
£169.00

OKTAGON 508



NEW!!

RAM UPGRADES



A500 1/2 Mb RAM Upgrade £26

A500 2.5 Mb RAM Upgrade with clock £99

A500+ 1/2 Mb RAM Upgrade £39

A500+ 1 Mb RAM Upgrade £79

HardDisk Controller - Autoboot/ PC Partitions/ SCSI-2/ 1Mb/s / Fully multitasking/ login & password protection/ A-MaxII support

Controller £169

Controller+

2Mb £229 6Mb £349

4Mb £289 8Mb £409

GASTEINER Unit 3 Millmead Business Centre, Millmead Road, London N17 9QU

All trade marks acknowledged. Prices and specifications may change without prior notice. Prices include VAT but do not include delivery.

WHAT YOU'VE MISSED IF YOU DIDN'T READ THE FIRST THREE EXCITING INSTALMENTS...

Part One was mainly theory. It's not vital to read, but if you can, do get hold of a copy. It fills in quite a lot of background about how computers work and what Workbench and the CLI are there for.

Part Two covered basic techniques for working your Workbench with the mouse. Then we moved on to formatting a blank disk for use, and how to give your disk a name.

Part Three got down to the nitty-gritty of creating, moving and renaming drawers on a disk, and then how to copy, rename and delete individual files. By now you should be able to do all the important things that Workbench is there for: so let's get advanced!

Just so that we don't get too confused, we're going to start this month by taking another look back at what we've done already. You can look on this as a kind of checklist: read it through and then check that you know how to do all the things on it. If you don't, go back to last month or the month before and give it some practice.

What you should discover is that you know how to operate everything on Workbench, and that you can do all the things that Workbench and the CLI are basically there for. Remember, Workbench and the CLI (or Shell) are two different kinds of 'interface' and that an interface is there to give you control over files that are stored on disks. You should be able to rename, delete, copy and move files.

At its most basic, that's all that the Workbench disk is there for. There are, however, a lot of other things you can do with it if you want. We'll be taking a look at all of these a bit later on, after first taking a tour of the Workbench menus just to make sure you know what they are all there for. Ready? Let's go!

Getting to grips with Workbench

As the essential series for newcomers to the Amiga reaches its fourth exciting episode, we've already learnt an awful lot. So let's recap, as **Damien Noonan** explores all the features of Workbench.

Your at a glance guide to basic Workbench and CLI/Shell operations

Here's a guide that should help you to do all those basic operations. It could be a valuable 'cut out and keep' in case you forget how it's done.

FORMATTING A DISK

WORKBENCH 1.3

Select the disk icon. Select 'Initialize' from 'Disk' menu

WORKBENCH 2

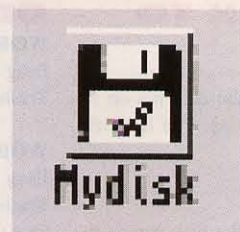
Select the disk icon. Select 'Format Disk...' from 'Icons' menu

CLI OR SHELL

Format drive df0: name Mydisk (replacing the word Mydisk with whatever name you want to use)

RENAMING A DISK

WORKBENCH 1.3



Select disk icon. Select 'Rename' from 'Workbench' menu. Delete the old name in the box that appears on screen, type new name, press Return.

WORKBENCH 2

Select disk icon. Select 'Rename' from 'Icons' menu. Delete the old name in the box that appears on screen, type new name, click on 'OK'.

CLI OR SHELL

You don't need to: you've given it your own name already.

COPYING A DISK

WORKBENCH 1.3

Drag icon of the disk you want to copy over the icon of the blank disk you want to copy it onto. Follow the on-screen prompts.

WORKBENCH 2

Drag icon of the disk you want to copy over the icon of the blank disk you want to copy it onto. Follow the on-screen prompts.

CLI OR SHELL

diskcopy from df0: to df0: (then follow the on-screen prompts.).

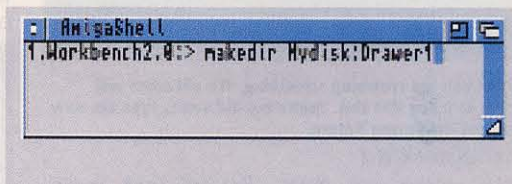
CREATING A DRAWER

WORKBENCH 1.3

You can't create a new one: you have to make a copy of the Empty drawer on your Workbench disk. See 'Duplicating a Drawer' and 'Copying a Drawer'.

WORKBENCH 2

Select the window you want the drawer in. Select 'New drawer' from the 'Window' menu. Delete the old name 'Unnamed1' in the box that appears on screen, type new name, click on 'OK'.



One of the most difficult things to do with the CLI is create a new drawer: and even that's as easy as falling off a log! Remember, you can pick whatever name you want...

CLI OR SHELL

mkdir Mydisk:Mydrawer (again, remember that the Mydisk name should be replaced with the name of your disk and the Mydrawer can be whatever name you want the drawer to be).

DUPLICATING A DRAWER

WORKBENCH 1.3

Select drawer icon. Select 'Duplicate' from 'Workbench' menu.

THINGS YOU OUGHT TO KNOW HOW TO DO WITH WORKBENCH...

Along the way, you should have picked up a whole range of skills for actually using Workbench; here's a checklist so you can make sure you can do them all.

Double-clicking (to open windows, etc)	Dragging
Clicking (to close windows, etc)	Moving windows
Selecting an icon (so an icon is highlighted)	Resizing windows
Selecting a menu option	Opening and closing windows
Bringing windows to front or moving them to the back	Saving files from a program to a blank disk, not the program disk



WORKBENCH 2

Select drawer icon. Select 'Copy' from 'Icons' menu.

CLI OR SHELL

Copy from Mydisk:Mydrawer to Mydisk:Newdrawer (remember the names Mydisk and Mydrawer should be replaced with the names of your disk and the existing drawer, and that Newdrawer replaced with whatever you want the name of your new drawer to be).

COPYING A DRAWER FROM ONE DISK TO ANOTHER

WORKBENCH 1.3

Drag drawer icon from the window of the disk it's on to the window of the disk you want it on. The drawer will keep its old name.

WORKBENCH 2

Drag drawer icon from the window of the disk it's on to the window of the disk you want it on. The drawer will keep its old name.

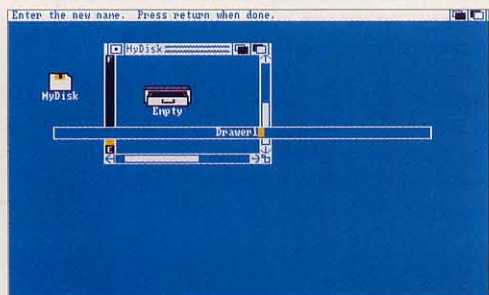
CLI OR SHELL

copy from Olddisk:Mydrawer to Newdisk:Mydrawer (remember the names Olddisk, Newdisk and Mydrawer should be replaced with the names of your disks and the existing drawer; and if you want the copy of the drawer to have a different name, replace the second occurrence of the name with what you want the name of your new drawer to be).

RENAMING A DRAWER

WORKBENCH 1.3

Select drawer icon. Select 'Rename' from 'Workbench' menu. Delete the old name in the box that appears on screen, type new name, press Return.



When you are renaming something, the old name will appear in a box like this. delete the old name, type the new one and then press Return.

WORKBENCH 2

Select drawer icon. Select 'Rename' from 'Icons' menu. Delete the old name in the box that appears on screen, type new name, click on 'OK'.

CLI OR SHELL

You don't need to: you've given it your own name already.

DELETING A DRAWER

WORKBENCH 1.3

Drag the drawer icon to the Trashcan. Select 'Empty Trash' from 'Disk' menu.

WORKBENCH 2

Drag the drawer icon to the Trashcan. Select 'Empty Trash' from 'Icons' menu. Alternatively, select drawer icon then select 'Delete' from 'Icons' menu.

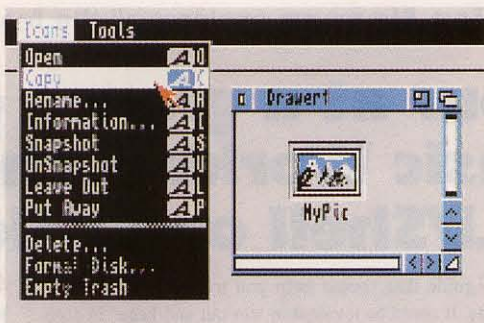
CLI OR SHELL

delete Mydisk:Mydrawer (provided the drawer is completely empty)
delete Mydisk:Mydrawer all (if the drawer is not empty, but you want to get rid of all the files inside the drawer too).

DUPLICATING A FILE

WORKBENCH 1.3

Select file icon. Select 'Duplicate' from 'Workbench' menu.



The job of making a copy of a file, drawer or even disk is simply a matter of selecting its icon and then choosing the appropriate menu option.

WORKBENCH 2

Select file icon. Select 'Copy' from 'Icons' menu.

CLI OR SHELL

Copy from Mydisk:Myfile to Mydisk:Newfile (remember that the names Mydisk and Myfile should be replaced with the names of your disk and the existing file, and that Newfile should be replaced with whatever you want the name of your new file to be).

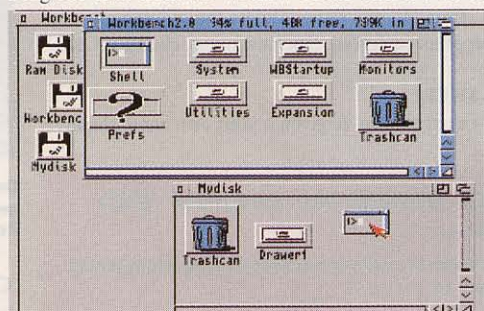
COPYING A FILE FROM ONE DISK TO ANOTHER

WORKBENCH 1.3

Drag file icon from the window of the disk it's on to the window of the disk you want it on. The file will keep its old name.

WORKBENCH 2

Drag file icon from the window of the disk it's on to



Copying a file from one disk to another couldn't be easier: all you have to do is drag it to the new disk, as we are doing to the CLI itself in this picture.

the window of the disk you want it on. The file will keep its old name.

CLI OR SHELL

copy from Olddisk:Myfile to Newdisk:Myfile (remember that the names Olddisk, Newdisk and Myfile should be replaced with the names of your disks and the existing file; and if you want the copy of the file to have a different name, replace the second occurrence of the name with whatever you want the name of your new file to be).

RENAMING A FILE

WORKBENCH 1.3

Select file icon. Select 'Rename' from 'Workbench' menu. Delete the old name in the box that appears on screen, type new name, press Return.

WORKBENCH 2

Select file icon. Select 'Rename' from 'Icons' menu. Delete the old name in the box that appears on screen, type new name, click on 'OK'.



It's easy to call a file, drawer or disk anything you want with the rename option: just remember not to put spaces, a colon (:) or a backslash (\) in the name you choose.

CLI OR SHELL

You don't need to: you've given it your own name already.

DELETING A FILE

WORKBENCH 1.3

Drag the file icon to the Trashcan. Select 'Empty Trash' from 'Disk' menu.

WORKBENCH 2

Drag the file icon to the Trashcan. Select 'Empty Trash' from 'Icons' menu. Alternatively, select file icon then select 'Delete' from 'Icons' menu.

CLI OR SHELL

delete Mydisk:Myfile (remember to replace the disk name and the file name with the names of your disk and your file).



One way of deleting a file from Workbench is to drag it to the Trashcan. Only when you actually choose the 'Empty Trash' menu option will the file be deleted.

AND THAT'S NOT ALL, FOLKS!

Well, that's enough for this month at least. Next month, we'll take a tour of the drawers on the Workbench disk and see what all the programs on it are for. There's some fun stuff in there, too. In the meantime, if you have any difficulties with the stuff you've learnt so far, do write in to Workbench, **AMIGA FORMAT**, 30 Monmouth Street, Bath BA1 2BW and we'll make a special effort to answer your letter in print.



Be An X-CAD Pro !!!

By Using X-CAD SYMBOL LIBRARIES from COMPUTECH SERVICES.

(Official UK Sales for all XCAD products)

- | | | |
|---|--|-------------------------------------|
| <input type="checkbox"/> ARCHITECTURAL | <input type="checkbox"/> HYDRAULIC | <input type="checkbox"/> ELECTRICAL |
| <input type="checkbox"/> ENGINEERING | <input type="checkbox"/> COMPLETE X-CAD SYSTEMS Based on A2000 and A3000 | |
| <input type="checkbox"/> ALL X-CAD PRODUCTS, PROGRAMS & PERIPHERALS | | |

**PRICE
MATCH**

**Before you try anyone else
ring us for the best price on XCAD products!!**

Currently 48 library disks available. We are constantly adding to the libraries. We are the official UK sales for all XCAD products, programs and peripherals, plus the latest Imagine 3D Rendering Package. Why not upgrade your current X-Cad system with a digitising tablet Pod Scat P.T. 30/30 or Cherry A.3.

Please write or telephone and ask for our latest price list for Amiga hardware and software
**Computech Services, 87 Victor Gardens, Hawkwell, Hockley, Essex,
SS5 4DY. Fax/Phone: (0702) 206165**

PLEASE ENQUIRE ABOUT RANGE OF SEGA CONSOLE AND GAMES



BUILD YOUR OWN ROBOT

With the **NEW AMIGA INPUT/OUTPUT PORT**

£27.95

Now you can use your Amiga to control robots, electric motors, mains appliances, anything!

- 11 Outputs. Up to 13 inputs.
- 10 page instruction manual with program listings in AMIGA BASIC, AMOS & GFA.
- FREE Technical support.
- Custom programming service.

AMAZING SENSOR & CONTROL EXPERIMENTERS KIT

£27.95

£1 OFF if purchased with I/O Port.

6 Electronic projects which plug into the I/O port. No soldering required. Includes relay module, motor, tilt sensor, light bulb, 4 LEDs, powerful software on disk and **FREE 'Guide to Amiga Interfacing'.**

Current projects by Switchsoft I/O Port Owners: Burglar alarm, control of model tanks, Control of a telescope, time-lapse cine camera, robotic arm. Your own imagination and creativity are the only bounds.

TEMPERATURE & LIGHT EXPERIMENTERS KIT

£11.95

Thermo & Photo sensors which plug into the analog inputs. Software included. Print out a graph of temperature variation in your home. Save on fuel bills. The photo sensor could be used for a mobile robot (moves towards a light source).

MAINS CONTROLLER MODULE

£19.95

Just plug in most Mains appliances. Handles 10 amps.

UNCONDITIONAL GUARANTEE.

If not completely satisfied,
you may return any product
within 30 days
for a full refund.

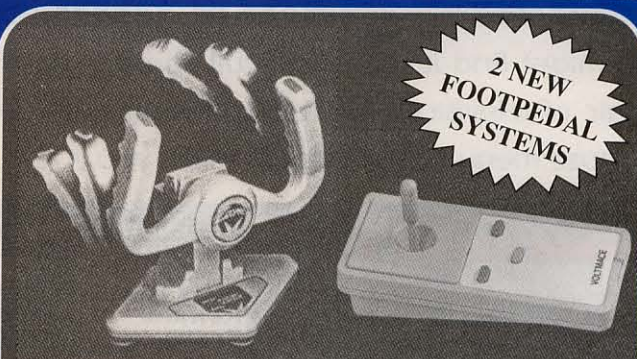
Please send cheque payable to SWITCHSOFT or ring Switchsoft on
0325 464423. Prices include P&P. Overseas add £3.

SWITCHSOFT

SWITCHSOFT Dept AF0592
26 Ridgeway, Darlington,
Co. Durham DL3 0SF



VOLTMACE



**2 NEW
FOOTPEDAL
SYSTEMS**

**NOW A FLY/DRIVE PACKAGE
WITH MICROPROSE GRAND PRIX, ANALOGUE JOYSTICKS NOW RUN
DRIVING SIMULATORS AS WELL AS ALL GOOD FLYING SIMULATORS.**

Would you drive a real car with a switch to turn right, a switch to turn left, a switch to brake and a switch to accelerate. No!! You could not because you need to turn little, or turn tight, brake hard or brake slightly. All good flight sims now have analogue joystick routines and now all good car race sims will have to follow.

**The Delta 3A Analogue Joystick, a light, fast hand held sprung
return to centre joystick for the faster sims£16.95**

Grand Prix£29.95

Save £5 Microprose Grand Prix & Delta 3A together£42.90

**The Zoomer Yoke, analogue, sprung return, is 11" tall and 11" wide
with suction feet, it can also work as a digital yoke£59.95**

Zoomer Digital Yoke for Amiga or Atari£39.95

Deltabase a yoke joystick (analogue non sprung)£34.95

Joystick Port Splitter (all 9 pins)£4.95 or £3.00 with joystick

The above splitter is needed to plug a Delta 3A into an A1500 or A2000 foot pedals
(choice of two systems). Ideal for driving simulators.

**Footpedal 1. A single unit with three coloured foot buttons which can be
programmed to take over any joystick function£30.00**

**Digipeds. Up to five separate metal pedals to place where you like.
Each pedal has a slip resistant rubber back.£30.00.**

The starter pack has 3 pedals and costs£15.00 per pair.

Extra pedals are£15.00 per pair.

Flight Sim programs stocked. Prices include VAT & UK P&P.

Delta 3A joysticks are made in the U.K. and have a 1 year warranty

Unit 9, Bondor Business Centre, London Road

Baldock, Herts, SG7 6HP. Telephone (0462) 894410



AMIGA FORMAT

201

MAY 1992

FRUSTRATED ?

For Friendly Assistance on the

AMIGA

RING 0891 505 105

First 200 callers receive

Free Disks

Spreadsheet offer to all callers.

CALLS COST 36P MIN CHEAP RATE

48P ALL OTHER TIMES

FREE GAMES!!!

ARE YOU BORED WITH YOUR EXISTING GAMES?

CAN'T AFFORD THE PRICE OF NEW GAMES?

THEN YOU NEED

"NO GIMMICKS"

"NO CATCHES"

AMIGOS

For full details send a stamped self addressed envelope to:

AMIGOS, 3A HIGH ST. WANSTEAD,

LONDON E11 2AA

KINGSTON, SURREY

Major stockist for all Commodore
products including Amiga and CDTV.

Over 2,000 sq. feet of computer
software and hardware for
Commodore, Atari and PC.

Our enthusiastic staff also insist that
we stock a complete range of Sega,
Nintendo and Lynx consoles.

NEW STORE OPENING SOON!

BARKMAN COMPUTER SERVICES

First Floor, Cardinals Market Place,

Kingston, Surrey.

081-546 5941

The at-a-glance guide to the Workbench menus

You might find it rather difficult to open all the Workbench menus at the same time, but through the magic of television – or rather, magazines – we've been able to do it. Here's a complete guide to what all those menu options do, to make you a real Workbench expert.

WORKBENCH 1.3

WORKBENCH MENU

OPEN

Opens a window for a disk or drawer, or launches a program, if you have selected an icon. Exactly the same as double-clicking, so pretty redundant.

CLOSE

Opens a window for a disk or a drawer, if you have selected a window. Exactly the same as clicking on a 'close window' gadget (the small box in the top-left corner) so again, pretty redundant.

DUPLICATE

Makes a copy of a disk, drawer or file if you have an icon selected.

RENAME

Puts up the rename requester for a disk, drawer or file if you have an icon selected. Simply delete the old name, type in the new name and then press Return.



INFO

Brings up a box with all the information about an icon, if you have an icon selected. Icon info is very complex: don't use this option for the time being, because we'll explain it all soon.

DISCARD

Deletes the icon for a drawer or file on a disk, if you have an icon selected, however it does not actually delete the drawer or file itself. For this reason, do not use this option.

DISK MENU

EMPTY TRASH

This deletes any files or drawers whose icons you have put in the Trashcan.

INITIALIZE

Formats a blank disk if you have selected a disk's icon.

SPECIAL MENU

CLEAN UP

Tidies up the icons in a window you have selected.

LAST ERROR

Redisplays the last error message Workbench displayed to you, in the bar along the top of the screen. Not very useful.

REDRAW

If you suddenly discover the computer's left a chunk of the screen blank somewhere (which it does from time to time), selecting this option will

redraw the whole screen as it should really look.

SNAPSHOT

If you want a window to remember how big it was and where the icons in the window are, you use this option. In other words, it's for tidying up your windows.

As it's the only important thing we haven't covered, here's how it works. Make sure the window is selected. Move all the icons to where you want them and, holding down the Shift key, select all the icons in the window. Then select this menu option. When you close the window and open it again, the icons should all be where you put them. If you also want the size and position of the window to be remembered, select the icon for the drawer or disk that the window belongs to, and select Snapshot.

VERSION

Brings up a box with information about Workbench. Click on OK to get rid of the box.

WORKBENCH 2

WORKBENCH MENU

BACKDROP

Switches whether the Workbench is a window or not. Purely aesthetic.

EXECUTE COMMAND

Brings up a mini-CLI that lets you enter one CLI command.

REDRAW ALL

Redraws the screen if there are any glitches on it (see Workbench 1.3).

UPDATE ALL

Checks the whole disk to make sure that all the icons have matching files or drawers.

LAST MESSAGE

Redisplays the last error message Workbench displayed to you, in the bar along the top of the screen. Not very useful.

ABOUT...

Brings up a box with information about Workbench. Click on OK to get rid of the box.

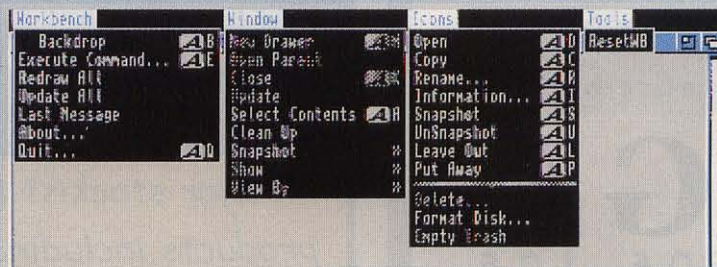
QUIT...

Closes Workbench.

WINDOW MENU

NEW DRAWER

Creates new drawer in the currently selected window.



OPEN PARENT

Finds and opens the window inside which the current one belongs.

CLOSE

Closes a window.

UPDATE

Checks all the files and drawers in the current window to make sure they match up with their icons.

SELECT CONTENTS

Selects all the icons in a window.

CLEAN UP

Tidies up all the icons in a window into neat rows.

SNAPSHOT

Stores the position and size of a window so it is the same next time you open it (Window) or stores the positions of the icons in a window (All).

SHOW

Chooses whether you want to see

files that don't have icons (All Files) or not (Only Icons). See last month.

VIEW BY

Displays files and drawers in the current window by just their name rather than by icons, along with a lot of other information: sorts them in various orders. Try it out!

ICONS MENU

OPEN

Opens the window for a disk or drawer if you have the icon selected. Same as double-clicking on the icon, so a shade redundant.

COPY

Makes a duplicate of the disk, drawer or file whose icon you have selected.

RENAME...

Used to rename a disk, drawer or file.

INFORMATION...

Brings up a box with information

about an icon, if you have an icon selected. Icon information is very complex: don't use this option for the time being, and we'll explain it all in a current issue.

SNAPSHOT

Saves the position of all the icons in the current window.

UNSNAPSHOT

Frees up the icon currently selected so that Workbench can place it anywhere in the window.

LEAVE OUT

Lets you leave an icon lying around outside its window, where it will stay even if you reboot the Amiga.

PUT AWAY

Makes sure an icon you have left out will be put back into the drawer where it belongs.

DELETE

Deletes a drawer or file.

FORMAT DISK...

Formats a blank disk ready for use.

EMPTY TRASH

Deletes any items in the Trashcan.

TOOLS MENU

RESETWB

This resets the Workbench as if it had just been booted in its current configuration.

You deserve the best!

Now you can get the best... with PEN PAL!

A superb package, with immense power, to fulfil all your word processing requirements and... it includes a Database! It's all so easy to use, you probably won't need to refer to the extensive 250 page manual too often.

Whilst working, you can open up to four documents simultaneously (memory permitting), search and replace; cut, copy and paste; check your spelling with a 100,000+ word dictionary. You can import your favourite IFF/HAM graphics, from programs such as DPaint II or Clip Art files in various sizes and colours. You can automatically flow text around graphics in any Workbench compatible font (there are over 200 available styles), in different sizes and colours to suit your design... even as you type. All this from a word processor and... Much, Much, More!

As you can see, this is not just any ordinary word processor! Full Page View with position, edit and creation of graphic objects. Mail Merge using the built in database and forms designer. Creation of templates for complex reports, into which the database can be merged.

Operating with 32 fields per record, and 32,000 records per database with a fast sort of 1000 records in less than 5 seconds this is a *real* database.

Pen Pal requires an Amiga 500/1500/2000 or 3000 with a minimum of 1megabyte of available memory.

Pen Pal

When...you deserve the best!

£79.95

"...its handling of graphics is unsurpassed: Pen Pal is the only program I tested that will automatically wrap text around graphics..."
Amiga World...Jul. '90

"...without beating around the bush Pen Pal is very special..." - "There is little to fault Pen Pal and it deserves to do well."
Amiga Format...Dec. '90

"...I am extremely pleased with your product especially the Graphic Capabilities within the Word Processor. Having the Database on the same disk has made PEN PAL the best program I have..."
D.S.B., Plumstead, LONDON

"...Please let me tell you how amazed I am at how EASY IT IS TO USE PEN PAL. The manuals supplied are very informative and very clear..."
P.S.S., Clifton, NOTTINGHAM

"...A most excellent piece of software..."
E.P.H., Strathclyde, SCOTLAND

Gordon Harwood Computers
New Street
Alfreton
Derbyshire
DE5 7BP.

Dear Sirs,

Hi! I am writing this letter using "Pen Pal". Normally I do not correspond with computer companies, but this time I had to make an exception.

I have been looking for a program that I could use to create colourful letters, useful forms, and effective business graphics. I have purchased several Amiga word processors whose ads made great claims as to their capabilities. After using these programs, however, I found that the ads were only hype! I soon began to feel that no program would do what I wanted to do.

Recently I saw your program "Pen Pal" on my dealer's shelf. According to the package I thought that I might finally be in luck. Although I purchased the program I was afraid that in reality it would not do everything the package claimed. As soon as I got home from the computer store I fired up the program on my computer. Without even reading the manual I was soon creating documents with colour and pictures. As you can see from this letter, I have become pretty good at your program's graphic capabilities.

One pleasant surprise I had was to discover that Pen Pal has a built in database manager. I find that I use this database almost as much as the word processor. I have entered my Christmas mailing list, video tape library, and cooking recipes in as well. When I send Christmas cards this year I will use Pen Pal to print the mailing labels. I am designing my own Christmas cards in Pen Pal including some pictures I drew in a paint program. I plan to use Pen Pal's mail-merge feature to merge my mailing list names with the card to make each one personalised.

Thank you for making this program available.

Mr. Richard Goodwin

Pen Pal
Word Processor for the Amiga

Man's (and Woman's) Best Friend

Pen Pal Order Line
0773 836781

Pen Pal is also available from good computer stores everywhere!

FINANCIAL REPORT TO DIVISION MANAGERS

	1987	1988
OPERATING EXPENSES		
Cost of sales	288,178	29,188
Selling, general, and admin.	364,433	91,158
Research and development	46,349	14,015
Interest income	312,304	112,531
Income from operations	383,848	112,860
Equity in loss of S.M. operations (15,001)	7,347	5,337
Income before taxes	383,848	112,860
Provision for taxes	113,588	51,888
Net income	270,260	60,972
Net income per share	58.17	13.31

... and they are better than expected!

In the first quarter of 1988 each division took advantage of strong economic conditions in their respective territories to post sales figures well in excess of their goals.

1987 1988

GORDON HARWOOD HARWOOD HARWOOD
Computers

Trade Distributors...

SDL

Precision Software

HB MARKETING

CENTRESOFT

Pen Pal is supplied into the UK through...
Gordon Harwood Computers New Street Alfreton Derbyshire DE5 7BP
Telephone: 0773 836781 Facsimile: 0773 831040

AMIGA Repairs

for your Amiga or C64 repairs, who better to turn to, than Commodore's Approved National Repair Centre.

For all repairs to your computer, one low payment covers diagnosis, repair (including parts and labour) and delivery back to you.

PaRTs & LaBOuR

SPECIAL BONUS

FREE SOFTWARE!

If you send in your computer to Commodore's Approved National Repair Centre for repair, we will send you a piece of **FREE SOFTWARE!**

The experience and expertise of our technicians ensures that your computer is repaired to a high standard at a low cost. Most repairs will be carried out within 12 working days.

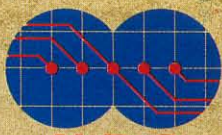
To schedule a repair and claim your FREE SOFTWARE, simply call Michelle or Julie on 0733 391234.

Be ready to quote your name, address, computer type, serial number, type of fault and code AFR 5/92.

The cost is for a C64, £47.50 and for an Amiga 500, £57.50. Payment can be made by cheque, postal order or credit card. Part refund will be made if the computer is found to be beyond economic repair.

Free Software

S
e
r
v
i
c
e

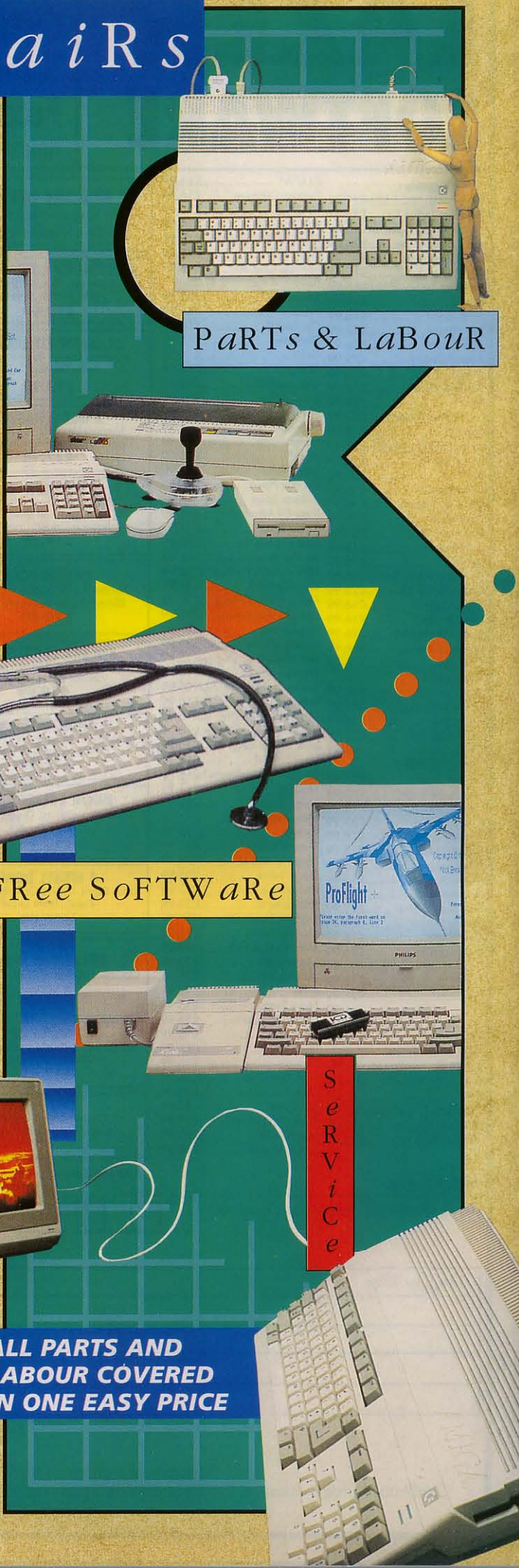


NRC
COMMODORE APPROVED
National Repair Centre

0733 391234

FMG House,
Newcombe Way, Orton Southgate,
Peterborough PE2 0SF

**ALL PARTS AND
LABOUR COVERED
IN ONE EASY PRICE**



GET THE PICTURE

FROM: GARY THOMLINSON, DONCASTER

I work as a programmer for a software publishing company. When Commodore finally got around to telling us that the A500 Plus was on its way, we bought one to do our testing on. A few weeks of using it made me realise just what a wonderful machine this was, so I sold my old 1.2 Amiga and upgraded to a Plus.

My original programming environment for the Amiga was the CLI. This makes my job pretty boring, and does nothing to keep your spirits up when trying to debug (correct the errors in) a program. That's gone forever now I have a Plus.

From a personal point of view, I think the new machine is good news for the Amiga scene. From a games developer's point of view it will, I hope, be a short-lived nightmare of incompatible software.

Where can I get a cable to connect the video out port of the Amiga (23 pins) to my SVGA monitor? This has 15 pins. Will the monitor support all the graphics modes of my machine? An experiment with a makeshift cable allowed me access to Productivity mode, but all the others became garbage. Can all the graphics be viewed, or do I need a multisync monitor?

To use an SVGA (Super Video Graphics Adaptor) monitor with an Amiga, you really need an expansion called a Flicker Fixer. Such a board will stop the flickering on interlaced graphics, but only Commodore's official one will work equally well with all graphics modes – and you can only fit it into an A1500 or an A2000. Without a flicker fixer, only productivity (a special interlace mode available with the Enhanced Chip Set) mode can be viewed on an SVGA. I don't know of any suppliers for a cable – does anyone else?

Most multisync monitors can be switched between Normal and Productivity modes, giving a better result for what you want to do. However, interlaced graphics screens will still flicker without a flicker fixer card (which can connect to multisync monitors, as well as SVGA types). What it comes down to is; SVGA monitors usually only work with Productivity mode and flicker fixers, while multisyncs work pretty well in any mode and very well with a flicker fixer. Thanks to First Choice for the info.

NOISY FAN

FROM: RUSSELL KIRK, HARROGATE

A couple of months ago I bought a GVP Series II 52 Mb hard drive for my A500. I've been absolutely delighted with it, apart from one point. The noise of the fan is driving me insane! If I disconnect the fan the noise is hardly noticeable.

Do hard drives need fans for cooling? I notice that Supra and the ICD Prima internal drives use the same Quantum 52 Mb disk mechanism as the GVP, yet they don't have fans. So can I disconnect the fan without fear of melting the casing? Can it be made less noisy? At the moment it sounds like a 2000 watt hair dryer on full blast!

Modern semiconductor technology (in other words, micro chips) only work within a limited temperature range. 45 degrees centigrade is the usual figure quoted. If you left a circuit board in desert sunshine – GVP are based in California, remember – you would find the board failing within minutes.

In the climate of the UK, you could probably leave

Workbench

The A500 Plus, GVP hard drives and updating the Amiga continue to dominate the Workbench letters. Concise questions need concise answers, provided courtesy of one **Pat McDonald**.



The Quantum hard drive (seen here with an ICD Prima internal unit) doesn't have a fan of any sort.

the fan disconnected from autumn to spring without a problem. However, to be on the safe side, get used to it (or drown it out by connecting your Amiga to a HiFi; which is my method).

I've recently replaced my old machine with an A500 Plus (it's a great improvement). While 99 per cent of the software on my hard drive runs fine, I've noticed a small but annoying problem with *KindWords*. I can use bold and italics with no problems, but I can't underline anything. Is this due to something simple or is it just down to incompatibility with the 500 Plus?

A few people have asked me this. I'm not sure at all, but as underlining involves drawing straight lines, all I can suggest is that *KindWords* doesn't use Workbench 2-friendly methods to underline. If anyone knows more, or of a solution, please write in.

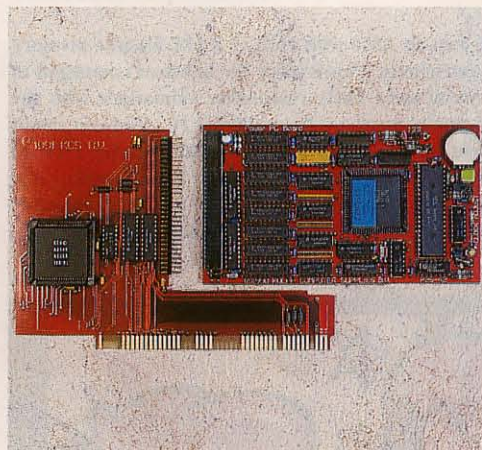
Oh yes, and are you sure that *Octomed* (or *Med*, come to that) will work with a Plus? Just because it runs doesn't mean that it works properly. The longest I've had it running for is 15 minutes, the shortest time is about 10 seconds! Then it just locks up solidly. It can't be down to lack of memory – I've got 2Mb of fast RAM and 1Mb of chip RAM.

I have to admit that *Octomed* does crash without fail on the A500 Plus. If you load Workbench 2 first though, then put the *Octamed* Coverdisk in and double click on the icon, it should work far better.

HARD PROSPECTS

FROM: D FREAR, N WALES

I am considering buying a hard drive (105 MB GVP) to run my DTP/word processing programs with ease. My A500 is over four years old, and so it has got the older Kickstart 1.2 chip in it. I am led to



I've been lucky enough to have a preproduction copy of the new KCS software. Friendly with many hard drives.

believe that this has problems with hard drives (they don't autoboot) so should I get a new ROM chip? What do I need, 1.3 or 2?

My computer has given me years of trouble-free operation, so I am wary of fiddling with it. What are the pros and cons, and what are the side effects?

Either a new 1.3 or 2.04 ROM chip will allow hard drives to autoboot (start working as soon as you switch the machine on). Both of these also allow you to use the Fast Filing System with hard drives (although 2 also lets you use it with floppies without fuss).

Kickstart 1.3 is going to give you a very similar system – the main differences between 1.2 and 1.3 are that printer drivers work faster and the filing speed advantages are described above.

Kickstart 2.04 will give you a much better look and feel than either of the previous versions, and works much faster. However, you will almost certainly find more incompatible programs with your old software and Workbench 2 than with 1.3. Your machine will also need some minor modification if you want to fit a 2 ROM chip.

If you want to use your old programs, a Kickstart ROM shaver board is the answer. Your old ROM chip and a new ROM chip plug into this board, and you can choose which ROM chip you want the machine to use by flicking a switch when the computer is off.

ROM shavers always plug into the ROM socket inside your machine. Again, a professional repair company – such as FMG (0733 391234), Ace Repairs (0503 20282) or WTS (0582 491949) – are the best people to contact if you want to organize an upgrade yourself; that is buy the bits and get them to fit it. Alternatively, most independent computer shops will handle the paperwork for a small fee.

I also use a KCS Bitcon PC emulator. Is it possible to partition a hard drive to have PC and Amiga

Continued overleaf

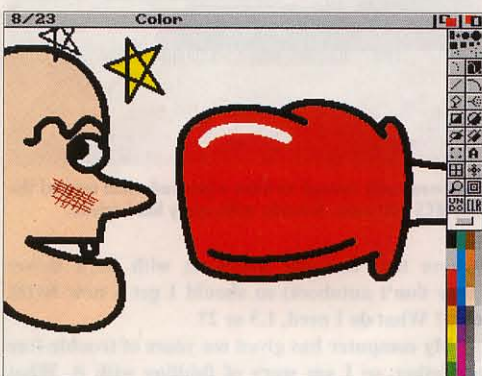
sections, and how does the KCS board react – are there any problems?

Yes, you can do this with hard drives and the KCS emulator. However, you may need to get an upgrade of the software to allow you to do this. The KCS board (with the latest software from Bitcon devices in the UK – 091-490 1919) works extremely well with PC hard drive partitions.

MAKING VIDEOS

FROM: WILLIAM PYNE, KENT

I own an A500 with 1Mb of RAM. Despite memory restrictions, I have (over the last year) managed to create some fairly reasonable animations with the graphics package *Deluxe Paint IV*. However could you please tell me what I need to transfer them to video tape? Is it expensive, do I need some extra parts, how much does it cost? Is it even possible with a 1Mb computer and *DPaint IV*?



The only really hard part when you are doing video animation is the artistic creation – sticking it onto a video tape is the easy bit. See last issue for animation techniques.

It's easy, assuming that you have a TV modulator (most A500s were supplied with these). On the modulator, you will see a connector marked 'Video'. Simply connect this to the 'Video in' connector on the video recorder. Usually a phono sound lead will accomplish this, although some videos have a Bayonet Nut Connector – phono-BNC adaptors for these can be purchased fairly easily.

Start the video recording, then simply hit the pause button. Start your animation going, and then unpauses the video. The signal will whiz down the wire and into the back of the video. To minimise the black lines on the recording, use interlace mode for your animations. You could use the TV connector (UHF) rather than the video connector, but the picture quality will not be as good and you would have to tune the video recorder to the TV.

If you want to overlay Amiga graphics on top of an existing video, then you will need two video recorders (one to play the video, the other to record) and a device called a genlock. This makes one colour of the Amiga transparent – usually colour zero, although expensive genlocks let you choose. The video being played is in the background, and you use the other video to record the mixture of the two images.

Expect to pay around £100 or so for a standard, domestic-quality genlock. As with all video equipment, you could spend a fortune – but it's possible with nearly any Amiga and just a bog-standard VHS recorder that you are likely to have sitting under your telly at the moment.

OOPS UP

FROM: PHILIP METCALFE, DURHAM

In *Amiga Format* 32, you printed a clear diagram from Neville Tanner showing how to wire up a switch to choose between 1Mb of chip RAM and 0.5Mb chip/0.5Mb Fast. The diagram was correct, but the caption for it had me confused for a while.

It's wrong isn't it? There's no point cutting the track on JP2, then joining "the middle and upper solder pads" if you're going to wire a switch in there! So, for all those people who just have a switch giving 1Mb of chip RAM or a Guru ridden Amiga: cut the tracks, and solder the wires to the switch in. Let the switch make the connections!

Yes, the caption is wrong. Just cut the tracks and connect the switch as per the diagram – ignore the bit about making a bridge on JP2, as that defeats the object of the switch.

Another frequent topic is that of the capacity of the A500 power supply. At a recent computer fair my son found a box of these on a stand, all loose and in shop-soiled condition. After rooting through it, I discovered there were two different types. Some of these provided 5V at 2.5 Amps (and were made in Singapore), the others were rated at 4.3 Amps and came from China. The Chinese variety had a red sticker on, with the words "HI-Pot tested".

I checked my power pack at home and discovered that, it had a "HI-Pot tested" sticker on it and was rated at 4.3 Amps, but it was made in Singapore! It would appear that Commodore have shipped power supplies of the two different specifications, with the 4.3 Amp being a higher specification.

A500 power supplies are manufactured in China, Singapore, Honk Kong (I think), Taiwan and Germany. Even though a supply is rated at 4.3 Amps, there is no guarantee that it will give out that much, as the scorched examples in our office will prove.



The A500 power supply is only guaranteed to power one extra disk drive. Some can do much better than that, but try potential purchases to make sure you have the power.

DOOMED TO CRASH

FROM: DAVE COLLINS, SOUTHAMPTON

After reading various reviews praising the GVP Series II, and in particular being informed that it was the most reliable drive for the Amiga, I bought one for my A500.

It was great for a few hours, but then it started locking up intermittently which increased in frequency until the processor halted completely. After it had finally cooled down again all was well for a few more hours until the nightmare began all over again.

The thing that worries me most, is that after contacting various GVP dealers it became apparent that this fault was fairly common. Not a good sign for a unit that costs a small fortune. Please

print this; it adds a necessary edge to reviews that make these hard drives look so great.

All well and good, but you are wrong to think that it's a fault of the hard drive. This will happen eventually on an all Amigas, with or without a hard drive. The cause is badly-programmed software.

As programs are loaded, pictures saved and so on, the Amiga cuts sections out of memory as it needs them. When it has finished with a piece of memory, it marks that particular section of memory as available for use again.

As you start and stop different programs at different times, this has the effect of splitting the memory up into smaller and smaller parts, a process known as fragmentation. Eventually, you ask it to load a program smaller than the total available memory – but



Even the mighty GVP isn't proof against programs with poor memory management – and because it goes so fast the problem becomes more apparent. Either run with excessive memory or be choosy about your software.

WHO'S BAD?

FROM: LEE STRAUGHAN, READING

Can you tell me how much better the Amiga is than similar machines like the Atari ST (and no editorial bias please).

Well, as Neil Jackson was the technical editor on *ST Format*, I feel he is slightly better qualified than me for this. Over to you Neil:

"Which machine is right for your main application? If you're seriously thinking about spending pots of cash, you can get a 486 IBM PC-clone which is probably the fastest, most effective stock machine you can buy. Trouble is, add-ons (like sound cards, joysticks but above all software) are SO expensive that the PC falls into the business-use-only category.

"The longest-running war has always been between the Amiga and the Atari ST, because their prices are so close. Neither machine emerges as the absolute best because both have advantages and disadvantages. The ST is perfect for musicians controlling MIDI keyboards, thanks to its internal MIDI sockets and chips, whereas the Amiga needs an add-on to handle this.

"However, the ST's internal sound chip is a complete joke, it's on a par with the ancient Commodore 64 sound chip. The newer STE is better and can handle samples more effectively than its earlier counterpart, but it still can't multi-task like an



It's been a hard fight for the Amiga to overtake the earlier ST, but for most applications it's a lot better. However, Atari plan to launch an accelerated ST in the near future – will Commodore follow suit with a faster A500?

Amiga can. Playing samples through the bog-standard ST slows it down to a crawl if you're trying to do much else. The Amiga has always managed to be streets ahead of the ST in the noise-making department (which is probably one of the reasons why the ST was upgraded to the STE in the first place). If samples are your thing, think Amiga.

"On the graphics front, the ST has only 512 colours in its palette, and you can only display 16 of them at any one time. The STE increased the palette to 4,096, but didn't extend the number of paletter registers, so the upgrade was a bit pointless. All Amigas can handle 4,096 colours, with 32 on-screen at once (the additional Extra-Halfbrite and HAM modes enable 64 and 4,096 colours on-screen respectively). This makes the Amiga the obvious choice for artists.

"If you're thinking of DTP or MIDI-control the ST or STE is still worth a close look. But for games, sample-playing, graphics or video work, the Amiga wins hands down every time."

Just one point to add to that – Commodore and Vortex of Germany

are developing IBM PC 386 Bridgeboards. These plug into an A1500 or A2000, and let you use PC software and expansions with the minimum of fuss. It is doubtful whether an Amiga emulator for the PC will appear, as Commodore have a monopoly on Amiga technology. If you've got 'pots of money', a Bridgeboard system provides the best of both worlds.

because the memory is split up, it may not have a big enough slice of memory to load the program.

Because the GVP lets you use your Amiga most efficiently, this process happens quicker than with other hard drives. But it will happen eventually with all of them (and with floppies too if you use the machine for a couple of days solid).

The best way to avoid it is, every so often, to save the projects you're working on and switch the machine off for a few minutes. This will reset the memory to its full, unused state (just resetting by pressing the Ctrl key and the two keys either side of the space-bar does not reset the memory, just the computer). It's got nothing to do with the GVP overheating at all.

Well programmed software (for example *Deluxe Paint*, or *PageSetter* on the Coverdisk) keeps an eye on memory, and can tidy it up when things get tight. It warns you when there isn't a lot of memory left. But a lot of programmers don't understand the problem, and leave this sort of feature out of programs.

You can get around it by having excessive amounts of memory connected (much more than you'll actually need). Try to avoid continually loading different programs, quitting from them and reloading. Just load them up and leave them alone – the Amiga can have more than one program loaded and usable at the same time. This is called multitasking.

FROM: KJ WHITLEY, WREXHAM

I've just bought a GVP Series II hard drive for my A500, but there is something strange happening with the memory. I have added an internal 0.5Mb expansion to the inside of the computer, and the hard drive has 2Mb, giving me a total of 3Mb. I also have an external floppy disk drive.

When I try to load a 1Mb program, the computer responds with an "Out of Memory" error or

similar. I believe that the 2Mb of memory in the GVP is fast RAM, and the 1Mb of memory inside my computer is chip RAM. Is this correct? What exactly is the difference?

No A500s were shipped (as far as I know) with 1Mb of chip RAM. To get that much, the machine has to be slightly modified (**Amiga Format** issues 31 and 32 had the relevant information). To find out how much memory of each type you have, load Workbench, double click on the Shell and type (press Return to enter the command):

Avail

This will give a complete diagnosis of memory, showing how much of each type is available, as well as how much is in use by the computer system.

Will programs fail to load because the hard drive is taking up some of my chip memory? Workbench tells me that I have 2.8Mb of memory available, so some of it is being used for something. Is there any way around the problem, as I feel that with 3Mb of RAM a 1Mb program should load easily.

External floppy drives are mapped into chip memory – there is no reliable way (so far as I know) to remap them into fast memory. Turning them off saves the memory they use. However, the GVP setup software allows you to map the hard drive partitions to either type of memory.

If I were to get the 2Mb *Anti Lemmin'* demo by Eric Schwartz, would that load?

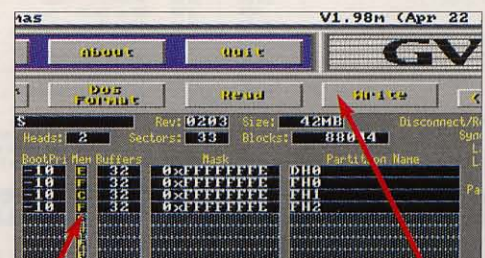
It should work fine. It works on a machine with only 1.8 Mb of RAM (only 0.5Mb chip RAM) so your system should be more than ample.

Does the hard disk have a boot block? If it does, then how do I look at it? None of the virus checkers that I own seem to look at hard disks – are there any that do?

Yes, hard disks do in fact have boot blocks. None of the current virus checkers though, have such a facility and it's unlikely that one will appear. However, *Faaastprep* has the facility to rewrite the boot sectors of your hard disk.

If your hard drive stops booting and you suspect a virus has got onto the bootblock of the hard drive (rare but possible), first write protect a copy of the *Faaastprep* floppy disk. That is, move the tab in the corner of the disk so that you can see through the hole. This prevents viruses from copying themselves onto floppy disks.

Boot up the machine with it – your hard disk partitions should reappear (if they don't, the virus may have wiped the contents already – even rarer but still possible). Double click on *Faaastprep*, select manual mode, wait for it to get the details from the drive, then click on "Write". This will write a new bootblock onto your hard disk. Then click on the box in the top left corner to quit.



F stands for fast, C for chip memory and E for public (the next available slice, regardless of type).

Clicking on this icon will write the bootblock and partition information onto the hard drive. Simple.

OPEN ALL HOURS

9am - 10pm Mon-Sat
10am - 6pm Sun

HARDWARE

A500 Plus + software	£349
A500 512K	£299
A1500 + software	£565
1084S monitor	£237
Phone for 2000 and 3000 prices	

ACCESSORIES

Amiga int. drive	£49.00
Cumana ext. drive	£53.00
Zydec ext. drive	£49.00
512K upgrade with clock	£27.90
512K upgrade no clock	£24.90
1.5Mb upgrade with clock	£77.00
1Mb Amiga Plus upgrade	£46.99

DISKS with labels

UNBRANDED BULK 100% CERTIFIED	BRANDED DISKS
3.5" DSDD 37p each	3.5" DSDD 45p each
3.5" Rainbow 44p each	Please phone for bulk purchase discounts
3.5" DSHD 49p each	
5.25" DS/DD 22p each	

STORAGE BOXES

10 capacity	£0.95
NEW! 20 capacity Sony	£1.49
50 capacity lockable	£3.95
100 capacity lockable	£4.50
80 cap Banx stackable/lockable	£27.99
150 cap Posso stackable/lockable	£15.00
250 cap stackable/lockable	£18.99

Orders by phone or post to:

DIRECT COMPUTER SUPPLIES

54 Spring Road, Longton,
S-O-T, Staffs ST3 2PX

LOOK! LOOK! LOOK!

Tractor feed disk labels
500 plain white labels +
software to print your own
professional labels
only £9.95

JOYSTICKS

Quickshot II	£6.50
Speeding Autofire	£10.50
Competition Pro 5000 black	£11.90
Competition Pro Glo Autofire	£12.95
NEW! Competition Pro	
Star Autofire	£13.25
Maverick Autofire	£12.95
Zipstick Autofire	£12.95

MISCELLANEOUS

Mousehouse	£1.60
Mouse mat	£2.50
Disk drive cleaner	£1.80
Amiga dust cover	£3.50
Monitor dust cover	£3.50
Mouse/joystick autoshift	£14.95
Amiga lightpen + software	£32.00
Mega mouse	£14.90
Squik mouse	£14.90
Naksha mouse + access	£22.00
Zy Fi amplifier + speakers	£37.95
Thumb + finger trackerball	£19.99
Crystal trackerball	£32.00
Action Replay Mark III	£57.00
Technosound Turbo sampler	£30.00
2 piece printer stand	£5.70
Midi Master	£26.00
Wordworth 1.1	£77.50

Telephone:

(0782) 642497 9.00am-5.30pm week

(0630) 653193 anytime

(0782) 311471 evening/weekend

Prices include VAT. Postage: please add £3.30. We accept cheques/P.O.'s/Visa/Access



DATAPEX COMPUTERS LTD.

129 Bath Road,
Slough,
Berkshire,
SL1 3UW
Tel: 0753 535557

19 High Street,
Old Town,
Swindon, Wilts
Tel: 0793 488448

Prices including VAT

AMIGA A500 PLUS (CARTOON CLASSIC PACK)

Includes new A500 Plus with
1Mb RAM, Lemmings, The
Simpsons, Captain Planet,
Deluxe Paint III

£330 inc VAT

AMIGA A500 (FIRST STEPS)

Amiga A500

Plus educational software

£435 inc VAT

AMIGA A1500 new version

A1500 Accounts Plus pack
including Puzznick, Toki, Elf,
Operating Systems Software,
Home Accounts,
Platinum Works,
Deluxe Paint III + manual

£560 inc VAT

ADDITIONAL PACKS

Amiga A500 Plus Cartoon Classic with 10 extra games	£359
A500 Basic Pack (stand alone old version) plus 10 extra games plus Photon Paint plus GFA Basic	£295

SHOWROOM
open:
Mon - Fri
9.30 - 5.30
Saturday
9.30 - 4.30
MAILORDER
Consumables
add £2.50
Hardware
add £9.00
(courier)

ACCESSORIES

512K Ram + clock	£35.00
1 Meg Ram + Clock	£115.00
A500 Power Supply Unit	£39.00
Naksha Mouse plus Operation Stealth	£29.00
1Mb upgrade for A500 Plus	£49.00
14" screen filter	£17.00

MONITORS

Phillips CM8833 MK II Colour Monitor + FREE Lead

£210 inc VAT

PRINTERS

Star LC20 Mono	£135
Star LC200 Colour (9 pin)	£188
Star LC24 200 (24 pin mono)	£209
Star LC24 200 Colour (24 pin)	£258
Panasonic KXP1124i	£235
Panasonic KXP 1123	£185
Citizen 120D +	£125
Citizen Swift 24E + Colour Upgrade	£290
Citizen Swift 9 + Colour Upgrade	£195
Starjet Bubblejet Printer, SJ48	£229
Canon BJ10EX	£234
HP Deskjet 500 + Leads	£352
HP Deskjet 500 (colour)	£587
Sheetfeeder	£58

All above come complete with leads

AMIGA HARD DRIVES / HARD CARD (GVP SERIES II)

FOR A1500

52Mb h/card (0-8Mb)	£275
120Mb h/card (0-8Mb)	£445

FOR A500

52Mb h/dive (0-8Mb)	£365
105Mb h/dive (0-8Mb)	£525

Upgrade the above with 1Mb SIMM module £39

VORTEX AT ONCE PLUS

PC Emulator for A500, A500 plus and A1500
£199 inc. VAT

AMIGA DRIVES

1 Meg 3.5" internal	£55
1 Meg 3.5" external (Cumana)	£57

AMIGA FORMAT

**MICRO
WEST**
24 ORDER
HR HOTLINE

DEPT AF, 8 ST JOHN ST.
WELLS, SOMERSET.
BA5 1SW (MAIL ORDER)

TELEPHONE/FAX
0749 670663



AMIGA 500 512K + 10 Game Pack
+ Photon Paint 2.0 +
GFA Basic V3.5

£289.99

A500+ CARTOON CLASSICS

IMb + Simpsons, Capt Planet, Lemmings,
DPaint III etc + Free Joystick

£359.99

AMIGA 1500 HOME ACCOUNTS PACK

Amiga 1500 Computer IMb RAM and 2x3 1/2"
floppy disk drives) + Software inc. Home Acc.
DPaint III, Time Works, Toki, Elf

£559.99

With 14" Colour Monitor

£809.99

AMIGA 2000 'PERSONAL VIDEO PRODUCER'

Amiga 2000 Computer IMb RAM 40Mb
SCSI HD + 3 1/2" Floppy) + A2300 Internal
Genlock + Video Cable + Scala and DPaint
III Software

£1199.99

16 NIGHTS FREE

HOLIDAY ACCOMMODATION
WITH EVERY AMIGA SOLD

PRICES CORRECT AT TIME OF GOING TO PRESS,
BUT MAY CHANGE WITHOUT NOTICE. E & OE

PRICES INCLUDE VAT -
Postage add £3.50/ Courier £9.00

PERIPHERALS & ACCESSORIES

CITIZEN 1200+ 9-pin Mono Printer	£119
CITIZEN 224 24-pin Mono Printer	£212
CITIZEN ProDot 9-pin Colour Printer	£205
CITIZEN Swift 24e 24-pin Colour Printer	£285
COMMODORE MPS1270 Ink Jet Printer	£145
SEKOSHA SP1900 Plus 9-pin Printer	£115
SHARP JX-9500H Laser Printer	£865
SHARP JX-9500PS (6ppm-300 dpi) Postscript Laser Printer	£1560

PRINTER STARTER PACKS WITH ABOVE PRINTERS FOR JUST £9.99!!!

(inc Parallel Cable. Paper. Labels. Drivers etc)

SHARP JX-100 Scanner + Scanlab s/ware

(Works with any 1Mb Amiga)

£540

GVP Digital Sound Studio Sampler

£54.95

GVP Series II 52Mb Hard Disk Drive

with 2 year warranty

£365

ICD AdSpeed-full feature 14.3MHz plug-in

accelerator for 68000 based Amigas

£175

AMIGA REPAIRS

FIXED CHARGE ONLY £42.99 Incl.

Est.
11 Years

FIXED CHARGE INCLUDES PARTS, LABOUR, DELIVERY, VAT
90 DAY WARRANTY ON ALL REPAIRS
24 HOUR TURN-ROUND ON 95% OF REPAIRS
ALL UPGRADES PURCHASED FROM US FITTED FREE WITH REPAIR
REPAIRS ON DRIVES & KEYBOARDS, IF BEYOND REPAIR ADD £20.00
FULL DIAGNOSTIC TEST AND SERVICE

SPECIAL OFFERS

Internal drive	46.99	68000 CPU	16.00
Fatter Agnus 8372A	42.95	CIAs	11.77
Kickstart 1.3 Rom	29.95	Keyboards	43.00
Kickstart 2.04 Rom	44.95	ROM Sharer	23.50
Gary IC	17.00	Mouse	15.95
Paula IC	29.00	Super Denise	32.50



ATTENTION ALL DEALERS

Our company now offer the most competitive dealer repair service
Full credit facilities available
Send for our Free information pack today

We reserve the right to refuse repair for whatever reasons
Prices only valid with this coupon

Service HOTLINE (0533) 470059

DART Computer Services
105 London Road
Leicester LE2 0PF

DART
Computer Services

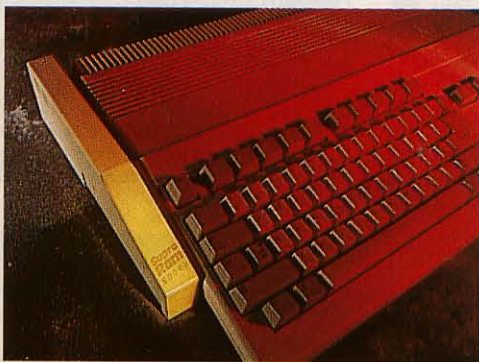
MAY 1992

211

Q On quite a few occasions you have stated that, if an A500 is modified to give 1Mb of chip RAM, and an oversized trapdoor expansion (larger than 0.5MB – the type that connects to the Gary chip) is fitted, then the extra memory is in fact lost. However, I have noticed in adverts for such boards that they can be fitted into 1Mb chip RAM A500s, and let you use the extra memory! Who is right, you or the adverts?

A The adverts. To be precise, nobody (except ICD) used to make oversize trapdoor expansions that could be used with 1Mb of chip RAM. However some boards (Virgo Developments, Power Computing, Datel) have since been modified so that they can be used properly with 1Mb of chip RAM.

Q Does upgrading to Workbench 2, as you stated in the Down to Business article in *Amiga Format* issue 31, make external RAM expansions like the Cortex, SupraRAM and Ashcom AX508 incompatible?



Widely known as compatible with the Plus, some people got confused by a slip of mine. SupraRAM500 does work fine on an A500+!

A Not at all. Such expansions can be fitted to all A500s and Pluses. I said "large capacity A500 memory boards are not compatible". What I meant to say was that "large capacity A500 TRAPDOOR memory boards are not compatible (with the Plus)". Sorry for the slip, and the confusion it caused.

Q I bought one of the last A500s available, just before the Plus came out. It's got a keyboard like the Plus, but does not have Workbench 2 or the ECS 8373 Denise chip. It also had Workbench 1.3.3 – can you tell me more?

A The revision 7 of the B52 Rock Lobster (A500) has the same keyboard as the Plus, with two blank keys, but it does not have the Plus' Agnus chip (the 8375) or Workbench 2. Workbench 1.3.3 was supplied with very few machines indeed. Just think of it as a standard A500 with a slightly odd keyboard – the blank keys are used in other European countries for special foreign characters.

Q Can the A500 be changed in every respect to a Plus?

A Yes, but not all of them, and not for a while yet. Revision 6 and 7 A500s can take 1Mb of memory on the computer's circuit board. Together with lots of jumper making and track cutting, fitting an ECS Denise, a Kickstart 2.04 ROM chip, the same Agnus chip as the Plus (the 8375) and populating the empty RAM chip sockets.

Answerfile

Getting to grips with the Amiga is a difficult task – why not get a few handy hints from Pat McDonald?

Admittedly, revision 6 machines will have a different keyboard, but that's largely a cosmetic difference. Such a machine will take Plus internal RAM expansions, to give 2Mb of chip RAM. A500 internal expansions (except for 0.5Mb trapdoor RAM expansions) will not work in the machine. The fly in the ointment though, is that the 8375 Agnus chip is not available as a replacement part yet.

Q Could you please tell me what a modem is exactly? Plus what are the advantages and disadvantages of buying one?



Supra also make a fine range of modems. Although they are not approved by British Telecom, they do work – so think twice before you buy one.

A A modem is a separate add on that lets you connect a computer to a telephone line. It can dial a number (usually this is handled from the computer nowadays, by a system called the Hayes protocol) and connect to a modem on the other end of a phone line, which is connected to a computer. The computers don't have to be the same model or make – you can dial in to many different systems or 'services' as they are called.

The advantages of a modem are; you can easily get new releases of PD utilities, by downloading them from bulletin boards; you can play online games, against other human players (like *Air Warrior* or *MUD*); and you can communicate with many thousands of computer users all over the world through networks (handy when you want to find out some information). There are other uses for a modem but most of them are illegal.

The disadvantages of a modem are; it costs money to make the telephone calls (although the faster the modem, the shorter the calls – modem speed is measured as 'baud rate'); and it ties up the telephone line (you can't make other calls while the modem is connecting your computer to another system). Look for the best priced, 2400 baud or faster, Hayes compatible modem. If it has MNP5 error correction, even better.

Q Is it true that no future software will work with old Amigas?

A No, but 'Plus only' releases will appear in future years. For the moment, programmers are

concentrating on making programs that work on all releases of the Amiga, rather than concentrating on squeezing the best performance out of Workbench 2 and the ECS.

At the moment, most Amiga owners (in the UK at least) have an A500 with Kickstart 1.3, Workbench 1.3, 0.5Mb of chip RAM, 0.5Mb of fast RAM. When the number of people who have Workbench 2 (either by buying a Plus or upgrading their computer) gets close to being the biggest market, then "Plus only" or "1Mb chip RAM" programs will start appearing. Probably towards the end of 1992.

Q Is it true that you need 1Mb of chip RAM to use CDTV software?

A YES. Amiga CD will need 1Mb of chip RAM, which is a good thing – it means that CD titles always use 1Mb of chip RAM, for more frames of graphics, copper lists, sound samples and so on. A well written CD game would look much better than a standard Amiga one.

Q If I want to program the Amiga (I have an A500 Plus), what do I need? I think I need a word processor, but I'm not sure.

A Not exactly. A word processor lets you create files on a disk that contain letters and numbers (alphanumeric data). The best example I can think of is the "Readme" document files on the Coverdisk.

However, the Amiga does not really understand anything about words, pictures, colours, speech, joysticks or mice; it sees such things merely as sets of numbers. Talking to it in its very own language (called machine code) is very time consuming and difficult to pick up, although it produces the shortest and fastest programs.

The most common form of machine code programming is called assembly language – this uses the same number processing that the computer understands, but represents them using short words instead. These are called 'low level' methods of programming, because you are involved very close to the machine.

To get around this problem, the early computer pioneers invented 'high level' languages. These are much easier to get on with from a human point of view, because the commands used to tell the computer what to do are very close to English.

The most common high-level language is called BASIC (Beginner's All Purpose Symbolic Instruction Code). It was designed for people who didn't want to know how computers worked. It's certainly not the best language from the computer's point of view, because it takes time to translate BASIC commands into pure machine code.

The best all around version of BASIC for the Amiga is called AMOS. AMOS lets you use the graphic and sound gadgetry of the machine without knowing how it works. For beginners, a special version has been released, called Easy AMOS. Read about it for yourself on Page 144.

Q Since I got my hard drive, every time the computer boots up it puts up the message "Pure bit not set". Although nothing sinister appears to be happening, it's beginning to drive me up the wall.

A With the Amiga, all files on a disk have a number of protection flags. These indicate whether the file is readable, writeable, editable, deletable or archived. A further bit, the pure bit, says whether or not the file can be made resident – loaded into the Amiga's memory for future usage.

Somewhere in the startup-sequence of your hard drive a command, something like the following, is causing problems (I've used the command Execute, purely for example):

```
Resident c/execute pure add
```

The Amiga is trying to make the file resident, but the pure bit isn't set. To set it, you use the Protect command, as in this (from the Shell):

```
Protect c/execute prwed
```

The value "prwed" means set the pure flag, the readable flag, the writeable flag, the editable flag, and the deletable flag. The archive flag is usually used by hard disk backup software, to see whether a file has been backed up or not.

Q Is it possible to connect a Hewlett Packard plotter to my Amiga? The plotter has a serial port, but the manual only gives details for the IBM PC and Commodore PET. Do I need a driver?

A Yes it is, but very little software makes use of plotters, except for CAD (Computer Aided Design) programs. You don't need a driver, but a CAD program which can output in HPGL (Hewlett Packard Graphics Language, the industry standard for plotters).

One such program is the XCAD series. XCAD 2000 (works with 1Mb) costs £79.95, and is the lower end CAD product available for the Amiga; believe me, that's very cheap for a decent CAD program. XCAD 3000 needs 2Mb, as does XCAD 3D. All of them can output designs to *Imagine 2*, the popular and powerful 3D rendering system. So you could submit a design blueprint on paper using the plotter, and do a video of what the design will look like using *Imagine*. XCAD products are available from – and well supported by – Computech Services (0702 523966).

Q I bought an A500 Plus at Christmas, and although I can load the *Deluxe Paint* program disk, I can't load the Animation or Art disks. Please tell me how to do this.

A You don't. First you load the *Deluxe Paint* program disk. Then you load in the examples to *Deluxe Paint* – they are stored on the other disks!

The majority of multidisk programs use this approach; one of the disks contains the program, the others contain the data. So you get program disks (which you can load and run) and data disks (which you need to load from within another program). Data disks are usually called mission disks where flight simulators are concerned.

Try to get used to the idea of reading manuals. They tend to be easier to understand when you have the computer software running in front of you.

Indepth Explanation Number 2: Floppies



There are so many different types of floppy available – choosing the right one is simply a question of buying a RocLite (from Rotech) and separate expansions like virus protectors, copiers, and boot switchers, or getting them all built into a Power Computing PC880B.

Floppy disk drives are a standard on the Amiga. When you buy software, it always comes on a floppy. The only other method of distributing programs is by CD, which is still underdeveloped but will match floppies in years to come. So for the moment, get used to floppies.

1 One of the greatest pains for new users is the need to swap disks when using Workbench. It's so irritating to be forever taking disks out and plonking others back in. The best way to get around this is to buy an external disk drive. That way, you can leave the Workbench disk in the internal disk drive, and do any disk swaps using the external drive. (No Amiga except the A1500 has two drives as standard – a great pity: because to use the Amiga seriously two drives are essential).

2 The Amiga was launched with the capacity of having up to four floppy drives connected at once (you can usually plug extra drives into the back of each other in a daisy chain). The circuitry for controlling and handling floppies was built-in from the start, which in English means that connecting a floppy drive is usually a case of plugging it in and forgetting about it. The Amiga recognizes it and assigns memory for it at start up.

3 Because the Amiga assigns memory for an external drive, whether it's got one or not, it can be a strain when you've a memory-hungry game. Luckily, most external drives have an off switch, so you can turn off and run memory intensive programs, without unplugging the disk drive.

4 The way that information is stored on a disk is a field in itself, but the general principles are this. To the computer, a disk looks like a series of concentric rings. Each ring is called a track. Each track is split into different pieces, called sectors. One or two tracks of a disk are used to store a directory; this contains the name of the disk, and a list of all the files on the disk, as well as lists of sectors where the files are stored. The first two sectors of the first track (track zero) are reserved for a boot block, to automatically start a program on a disk when it is inserted into the machine (for more on bootblocks, see *Amiga Format* 32).

5 The lifetime expectancy of a floppy disk drive varies. In general, internal drives on the Amiga wear out much faster than externals, because until Workbench 2 came along you had to boot disks (automatically make them run) by putting them in the internal drive ('DF0:', short for Disk, Floppy, zero). An internal drive will last from between two to five years.

6 With Kickstart 2, you can choose between which drive you want to boot from. Just keep both mouse buttons pressed as you turn the machine on, and a menu will appear. This system lets you spread the work load among your drives (and is yet another good reason to upgrade if you haven't got it already).

7 Even when a disk drive won't boot a disk anymore (a common symptom on Amigas that are three years old or more) it can be refurbished. Refurbishing means dismantling, cleaning, recalibrating and reassembling the unit – an operation best left to the experts. The best places to get floppy drives refurbished are local independent computer shops.

8 It is possible to expansions for your floppy disk drive, and they are without a doubt the cheapest range of peripherals you can get. Common types to be found are; the anti-click board (which stops your drives from ticking when no disks have actually been inserted); the boot switcher (to let you boot from any disk drive); the virus protector (stops disks being written on, so stops viruses from spreading); and the Cyclone copier (a widely available back-up device that needs two drives).

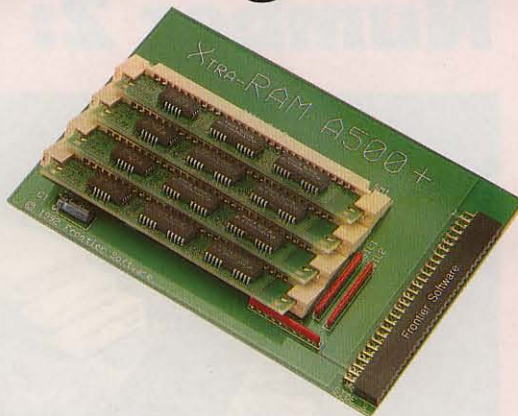
9 Software for floppies is less diverse; there are only two categories. The first is repair; packages available to heal or retrieve information from a damaged floppy range from the naff *Diskdoctor* command supplied with every Amiga, to pretty good PD utilities like *DiskSalv*, up to commercial programs like *BAD* or (my favourite) *Quarterback Tools*.

The other is for reading and writing disks that are not designed for the Amiga. There are a lot of programs that let you read and write PC disks. Unfortunately, none of them (so far as I know) work with Kickstart 2. Unless of course you know different?

10 If you're buying a floppy drive, the best are the RocLite types by Rotech. They're small, fast and simple; and they only cost about £5 more than inferior designs. Power Computing's (0234 843388) PC880B costs about £75, but does incorporate a backup utility and anti-virus switch.



Easy Steps To Upgrading Your Amiga 500 Plus



XTRA-RAM A500 Plus with 1MB of memory - upgrading your Amiga 500 Plus couldn't be easier.

1

Unpack your XTRA-RAM A500 Plus upgrade which has been specifically designed for your Amiga 500 Plus. Using low power industry standard SIMM memory boards, the XTRA-RAM upgrades the ChipRAM in your Amiga 500 Plus to 1½MB and then to 2MB.

2

Turn over your A500 Plus. Following the easy fitting instructions locate and then open the trap door on the base of your Amiga 500 Plus using nothing more complicated than a small screwdriver, your thumb nail or even a teaspoon!

3

Plug your new XTRA-RAM into the socket on the base of your Amiga 500 Plus. A gold-to-gold contact makes the XTRA-RAM extremely reliable. Fitting the XTRA-RAM A500 Plus will not invalidate your computer's guarantee.

4

Clip the plastic trap door back into your computer and turn the computer back over. Your Amiga 500 Plus is now ready to use again. At the most the whole painless process has taken 10 minutes.

Is your Amiga 500 Plus always running out of memory? Frontier Software's new XTRA-RAM A500 Plus is the easy to fit and simple to upgrade memory expansion that you've been waiting for!

The XTRA-RAM A500 Plus will upgrade the ChipRAM in your Amiga 500 Plus to 1½MB and then to 2MB. Extra ChipRAM will allow you to make full use of the graphics features of your A500 Plus. Unlike most upgrades, the XTRA-RAM A500 Plus has been designed in the UK specifically for your Amiga 500 Plus. The XTRA-RAM A500 Plus uses industry standard SIMM memory boards which can be used in most 16 bit computers and are far less fragile than memory chips - making them easier to fit and harder to damage.

If you decide to just upgrade to 1½MB now simply plugging two more SIMM memory boards into the XTRA-RAM later on will upgrade your Amiga 500 Plus to 2MB.

Easy To Fit

Installation of the XTRA-RAM A500 Plus couldn't be easier. Following our detailed

instructions which are written with the non-technical reader in mind, you unclip the trap door on the base of your A500 Plus, plug the XTRA-RAM into the memory expansion slot and then close the trap door. The whole process takes about ten minutes and does not require any special tools or soldering.

Fitting the XTRA-RAM A500 Plus does not invalidate the guarantee on your Amiga 500 Plus.

Satisfaction Guaranteed

The XTRA-RAM A500 Plus is supplied under Frontier's ten day money back offer - if you aren't satisfied with the XTRA-RAM A500

Plus for any reason you can return it to the place of purchase within ten days for a full refund (participating resellers only). The XTRA-RAM A500 Plus also carries a full two years' guarantee. The XTRA-RAM A500 Plus is designed in the UK. It is guaranteed that only brand new SIMM memory boards are used by Frontier - making your A500 Plus and its memory upgrade more reliable both now and in the future.

Prices

- ◆ XTRA-RAM A500 Plus 0MB (without memory) £15.99
- ◆ XTRA-RAM A500 Plus ½MB upgrades your A500 Plus to 1½MB of ChipRAM £34.99
- ◆ XTRA-RAM A500 Plus 1MB upgrades your A500 Plus to 2MB of ChipRAM £49.99

Please add £1.50 postage and packing to all orders under £150.00. Prices include VAT. Frontier accepts payment by Visa, Mastercard, Access, cheque or postal order. Prices subject to change without notice. Goods subject to availability.

Year **2** Guarantee



Available from your local dealer or direct from:



Frontier Software

P.O. Box 113, Harrogate, North Yorkshire, England HG2 0BE. Phone (0423) 567140/530577. Fax (0423) 522874.

All rights reserved. All other brands and products are trademarks of their respective holders. © Frontier Software 1992.

The new, updated complete guide to the Amiga

CREATIVITY GUIDES

Get results by reading our advice on what software to buy in graphics, 3D, animation, DTP, digitisers, scanners, music, video, education, multimedia.

PRODUCTIVITY GUIDES

More buying suggestions and solid advice on the practical areas of word processing, databases, spreadsheets, accounts software, comms, programming.

INFO FOR BEGINNERS

Features to introduce the Amiga, explain how it works and get you started in any area of Amiga use including Workbench and the CLI.

HARDWARE EXPLAINED

Overviews of hardware and its functions, including buying recommendations on printers, emulators, monitors and more.

PUBLIC DOMAIN

The whole world of free and next-to-nothing software explained, explored and elucidated. The best in utilities targetted and the demos scene exploded.

WORKBENCH TECHNICAL TIPS

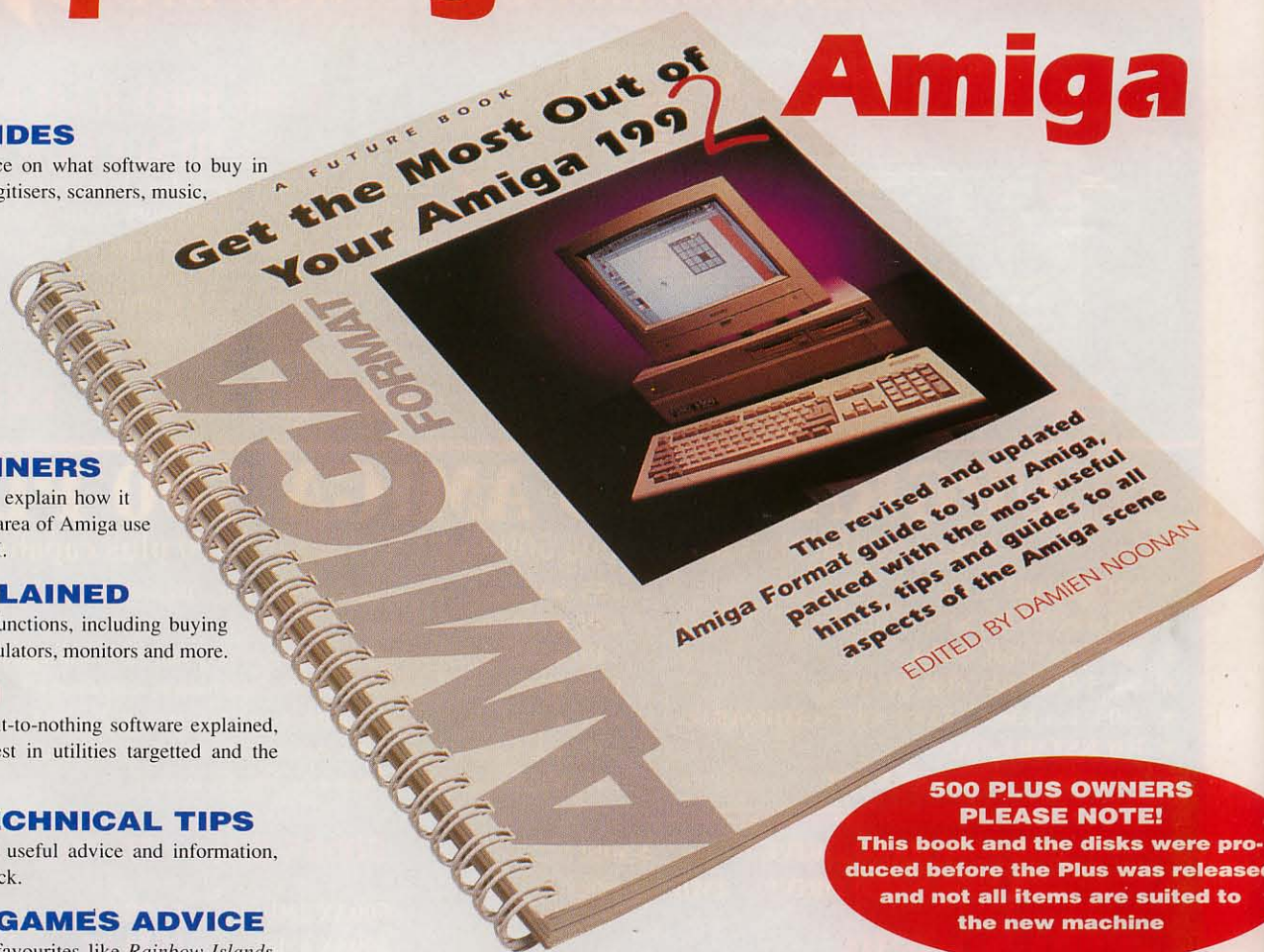
A whole host of interesting and useful advice and information, from hardware to software and back.

GAMEBUSTERS GAMES ADVICE

Including tips and hints for old favourites like *Rainbow Islands*, *Batman*, *Rick Dangerous*, *Dungeon Master* and *Shadow of the Beast 2* as well as some of the recent hits like the game of the year *Lemmings* and the amazing *Supercars 2*.

PLUS TWO COMPLEMENTARY DISKS FOR ONLY £4.00 EXTRA FEATURING:

JRComm communications package ● **Scenery** fractal landscape generator ● **Cruncher** compression utility ● **ScreenX** saves screens as pictures ● **Iconmaker** icon creator ● **SysInfo2** tells you what's in your Amiga ● **WhereIs** helps you find files ● **Border** switches off screen borders ● **ClickDOS** the power of CLI without the hassle ● **Safeboot** protects your games from viruses ● **ViewILBm** displays pictures easily ● **Quicklens** magnifies your screen! ● **WB Hacks** a bit of fun ● **MegaWB** scroll round a massive screen ● **FuncKey** customises key set-ups ● **ScreenShift** adjusts screen positioning ● **ZeroVirus** virus killer ● **Zap** binary file editor ● **BootIntro** adds intros to your disks ● **RSLClock** full toolkit ● **DropCloth** adds colourful Workbench screens ● **TaskControl** sets your priorities ● **SuperEcho** real-time sound processing ● **FPic** image processing ● **DropShadow** smartens your Workbench ● **DecHexBin** programmer's calculator ● **MandelMountains** excellent fractal creator ● **Spread** simple spreadsheet program



500 PLUS OWNERS PLEASE NOTE!

This book and the disks were produced before the Plus was released and not all items are suited to the new machine

Costing only **£9.95** and completely rewritten to include stacks of new information, this is the most comprehensive overall guide there is to every aspect of the Amiga and what to do with it.

ORDER FORM

I would like to order ____ copy/copies of

GET THE MOST OUT OF YOUR AMIGA 1992

at the price of **£9.95 (+1.45 per copy P&P)**

I would like to order ____ copy/copies of

GET THE MOST OUT OF YOUR AMIGA 1992

plus 2 disks for **£13.95 (+1.45 per copy P&P)**

If paying by cheque please send payment with this order form in a sealed envelope to:

AMIGA FORMAT GTM 1992 Book

FREEPOST

Future Publishing Ltd

Somerton, Somerset TA11 7BR

No stamp required if posted in the U.K.

Please allow 28 days for delivery.

Name _____

Address _____

Post Code _____

Telephone _____

I enclose cheque/PO for £ _____

Please debit my Access/Visa card: (delete as appropriate)

My card no. is _____

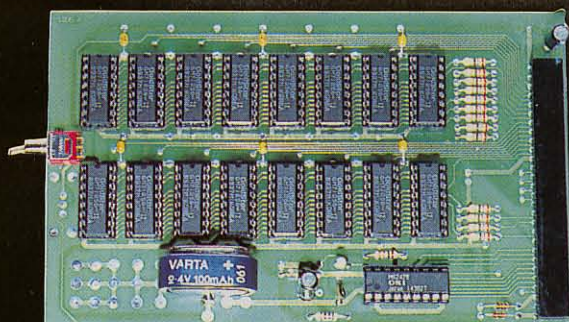
Expiry date _____

Signature _____



EXPAND YOUR AMIGA

QUALITY PRODUCTS
at affordable prices
W.T.S. ELECTRONICS LTD



British Made

A500 PRO-RAM BOARD 1/2 MEG UPGRADE

- Latest design incorporates chipmem option at no extra cost
- Increases computer memory from 1/2 Megabyte to 1 Megabyte
- Allows all 1 Megabyte software to run. Now Commodore A500 standard
- Direct replacement for Commodore A501, 16 Chip Technology for complete compatibility.

£25.00 without clock **£28.00** with clock

UPGRADE TO AMIGA 500 PLUS

☆ Upgrade the standard Amiga 500 to ECS chipset A500 plus capability ☆

- ★ KICKSTART 2.04
- ★ HIGH-RES DENISE
- ★ 8372 FATTER AGNUS
- ★ 8375 2MB FATTER AGNUS
- ★ 2.04/1.3 KICKSTART SWITCHBOARD
- ★ KICKSTART 1.3
- ★ A500 PLUS 1MB UPGRADE

- £55 • Upgrades your existing Kickstart to that of the new A500 plus
- £39 • Upgrades your graphic chip capability to that of the A500 Plus inc. anti-flicker
- £49 • Enables you to access 1Mb of chip memory with standard modification
- £65 • Enables you to access a full 2Mb of chip memory when fitted in adaptor board
- £24 • Overcomes software compatibility problems at the flick of a switch
- £36 • Allows existing A500 Plus owners to run old software when used in conjunction with switchboard
- £45 • Upgrades A500 Plus memory to 2Mb chip memory.

- ★ GVP 52MB A500 HARD DRIVE **£369!**
- ★ GVP 52MB A500 HARD DRIVE + 2MB **£424**

500AX 2Mb - 8Mb MEMORY EXPANSION

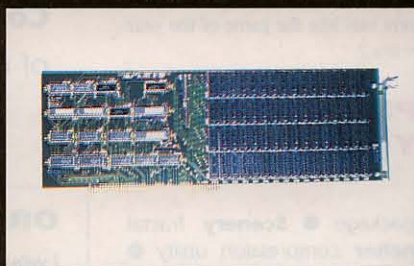
500AX 2Mb **£179.00** 500AX 8Mb **£380.00**
500AX 4Mb **£244.00**

SUPRA MODEMS



- 100% Hayes compatible
- Tone Pulse auto dial/answer
- RS232 Interface
- Internal diagnostics
- Programmable number storage

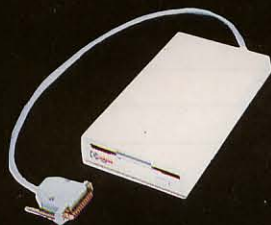
Supra 2400 **£119.00**
Supra 2400 MNP **£159.00**
Supra 2400 + **£174.00**



A2000 MEMORY UPGRADES

0Mb ... **£109.00**
2Mb ... **£149.00**
4Mb ... **£189.00**
8Mb ... **£269.00**

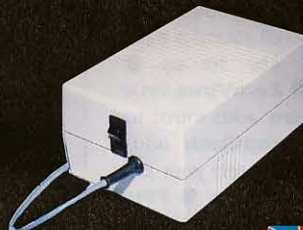
CUMANA 3.5" EXTERNAL DISK DRIVE



- High quality
- High specification
- Anti click
- Long moulded cable

£54.00

A500 Internal replacement drive **£44.00**
Kickstart 2.04 kit includes full manuals + disks **£129.00**
GVP 52Mb Hard Drive A2000 **£279.00**



A500 HIGH CURRENT POWER SUPPLY

- Allow addition of many peripherals without damage to computer or power supply
- Switch mode design

£44.95



British Made

☆ All prices include P&P & VAT ☆ Please add £5.00 if you require 24 hour courier to your door or parcel post will be used ☆ 12 month warranty ☆

W.T.S. ELECTRONICS LTD, Chaul End Lane, Luton, Beds.

Tel: 0582 491949

FED UP WAITING?

JUST ADD £2.00 TO YOUR TOTAL
ORDER FOR A GUARANTEED
NEXT DAY DELIVERY TO YOUR DOOR

(*ORDERS MUST BE PLACED BEFORE 3.30pm excluding Weekends)



COMPUTER MATES (UK) LTD.

Fastest
Mail Order Company
on Earth



CHEQUE/POSTAL ORDERS TO:
COMPUTER MATES (UK) LTD.
PINWOOD STUDIOS, IVER HEATH
BUCKS, SLO ONH
TEL: 0753 553535 (3 Lines) FAX: 0753 553530

ALL PRICES INCLUDE V.A.T & DELIVERY

MITSUBISHI BRANDED DISKS				
BOX/10	5.25 M-2D	5.25 1.6 Meg M-2HD	1 MEG MF-2DD	2 MEG MF-2HD
1-5	5.00	7.00	7.00	14.00
6-10	4.50	6.50	6.50	13.00

FREE GIFTS
when you buy **MITSUBISHI BRANDED**

1 BOX — MOUSE MAT — 5 BOXES —
50 CAPACITY STORAGE BOX

NEW JUST APPOINTED DEALER



GOLD MASTER BRANDED
2 FOR 1 LIFE TIME WARRANTY

	1 MEG MF2DD	1 MEG MF2DD RAINBOW	2 MEG MF2HD	2 MEG MF2HD RAINBOW
1 BOX	6.50	7.50	13.00	14.00
2-5 BOXES	6.00	7.00	12.50	13.50
6-10 BOXES	5.50	6.75	12.00	13.00

Rainbow Colours — White, Red, Green, Orange, Yellow

3.5" MITSUBISHI BULK MEDIA LIFE TIME WARRANTY

	DSDD	DSHD
50 Disks	£18.50	£32.50
100 Disks	£35.50	£63.50
200 Disks	£68.50	£125.50
500 Disks	£152.50	£295.50
1000 Disks	£295.50	£580.50

INCLUDING LABELS

5.25" BULK DISKS Packed in 25's with Envelopes, Labels, Lifetime Warranty

	48tpi	96tpi	HD
25 Disks	£8.50	£8.75	£12.00
50 Disks	£16.00	£16.25	£23.00
100 Disks	£28.00	£27.25	£36.00
1000+ PLEASE CALL			

COLOURED DISKS LIFE TIME WARRANTY

	48/96tpi DSDD	1.6 Meg DSHD	3.5" 1 Meg DSDD	2 Meg DSHD
25 Disks	£9.00	£16.00	£12.00	£20.00
50 Disks	£17.50	£30.00	£20.00	£35.00
100 Disks	£31.00	£51.00	£39.00	£68.00

Includes labels, for available colours please call.
Normally Red, Green, Yellow, White & Orange

NEW NEW NEW NEW

COMPUTER MATES BRANDED DISKS

2 FOR 1 LIFE TIME WARRANTY

3.5" DISKS

	DSDD	DSHD
50 Disks	£21.00	£35.00
100 Disks	£41.00	£69.00
200 Disks	£80.00	£137.00
500 Disks	£182.00	£325.00

COLOURED

	DSDD	DSHD
50 Disks	£24.00	£38.00
100 Disks	£43.00	£75.00
200 Disks	£83.00	£143.00
500 Disks	£181.00	£331.00

MICE/TRACKERBALLS

PC/XT/AT MOUSE	£20.00
PS2 MOUSE	£21.00
AMIGA/COMMODORE	£19.00
ATARI MOUSE	£19.00
ATARI/AMIGA TRACKBALL	£22.00
PC/XT/AT TRACKBALL	£22.00
MOUSE MAT	£2.50
MOUSE POCKET	£2.50
MOUSE STAGE	£10.00
MOUSE MAT HARD	£3.50
PAPER TRIMMER	£5.00

Victory

STORAGE BOXES

3.5"		5.25"	
120 Cap	£9.50	140 Cap	£8.75
100 Cap	£7.90	120 Cap	£8.25
80 Cap	£7.50	100 Cap	£7.50
50 Cap	£6.50	50 Cap	£6.50
40 Cap	£6.00	20 Cap 3.5"	£4.00

ALL ABOVE BOXES LOCKABLE + 2 KEYS.

£2 OFF BOXES WHEN ORDERING 100 DISKS OR MORE

10 Cap	£1.50	10 Cap	£1.50
5 Cap	£1.15	5 Cap	£1.00
1 Cap	£0.50		

SPECIAL OFFERS THIS MONTH

LOOK SAVE YOUR EYES

12" or 14" COLOUR OR MONO FILTER SCREEN
SAVE YOUR EYES.....Only £13.99
12" or 14" TILT & TURN WITH HANDY KNOB
MONITOR STAND.....£15.95
A4 DESK TOP COPY HOLDER.....£8.00

PRINTER STANDS 5 DIFFERENT TYPES

PRINTER STAND (Feet)
80 OR 132 COLUMN.....£8.00
IBM PRINTER LEADS.....£5.00

JOYSTICKS ALL MACHINES P/C

LABELS 5.25" OR 3.5" (5.25 WITH W/P)

100 £1.00, 1000 £8.00

SINGLE OR MULTICOLOUR AVAILABLE

COMPUTER DESK £90.00



COMPUTER CHAIR £40.00

DUST COVERS

PC XT, AT+MONITOR	£6.00
12" or 14" MONITOR	£6.00
80 or 132 PRINTER	£6.00
LAZER PRINTER	£6.00
84 OR 102 KEYBOARD	£6.00
TOWER CPU	£6.00

CLEANING ACCESSORIES

MINI VACUUM CLEANER	£7.00
HEAD CLEANER 3.5" OR 5.25"	£2.50
MONITOR CLEANING SOLUTION	£3.00
ALL THE ABOVE & MORE	£11.00
3" CLEANING KIT	£3.00

DATA SWITCH BOXES

CENTRONICS OR SERIAL	
2 WAY	15.00
4 WAY	20.00
DATA SWITCH LEADS	8.00 each

SORRY! SORRY! SORRY!

WE DO NOT PRICE MATCH BUT WE DO
GIVE QUANTITY DISCOUNT, WITH SER-
VICE, QUALITY AND BACKING FROM
THE LARGEST DISK MANUFACTURERS
IN THE WORLD. IN ADDITION OVER 200
LINES OF PERIPHERALS IN STOCK. ASK
FOR OUR COLOUR CATALOGUE & PRICE
LIST WITH YOUR ORDER OR SEND 24p
S.A.E.

CALL SAM OR PAT NOW!
ON 0753 553535

BLUE BOX PRODUCTS

ALL BLUE BOX PRODUCTS ARE COMPLETELY PACKAGED IN
PRINTED CARDBOARD BOXES WITH LABELS. 100% GUARANTEED

BAMBI-2DD 1 MEG	MF-2DD 30's 1 MEG	MF-2DD 10's 1 MEG	M-2D 48TPI 10's	M-2DD 96TPI 10's
25 DSDD 3 1/2" IN 25	30 DSDD 3 1/2"	10 3 1/2" DSDD	10 DSDD 5 1/4"	10 DSDD 5 1/4"
CAP STORAGE BOX	1 BOX	1 BOX	1 BOX	1 BOX
1 BOX	£14.00	£6.00	£4.25	£4.75
2+	£13.00	£5.00	£3.75	£4.25
5+	£11.00	£4.50	£3.25	£3.75
BAMBI-2HD 2 MEG	MF-2HD 30's 2 MEG	MF-2HD 10's 2 MEG	M-2HD 10's 1.6 MEG	
25 DSHD 3 1/2" IN 25	30 DSHD 3 1/2"	10 5 1/2" DSHD	10 DSHD 5 1/4"	
CAP STORAGE BOX	1 BOX	1 BOX	1 BOX	
1 BOX	£21.00	£8.50	£6.50	
2+	£20.00	£8.00	£6.00	
5+	£18.00	£7.00	£5.00	

DATA CARTRIDGES

DC 2000	£18.00
DC 300 XLP	£18.00
DC 600A	£19.50
DC 6150	£20.00
DC 6250	£21.00

FED UP WAITING?

**ALL ORDERS ARE NORMALLY DELIVERED
TO YOU WITHIN 48 HOURS**

CONSOLE COMPETITOR

A friend of mine says that his Sega Megadrive is better than an Amiga and has better games and graphics. He is always going on about *John Madden 92*, *Strider* and *Sonic the Hedgehog*. Please, please, please prove to him that Amigas are better than Megadrives or the rest of my life will be destined to listen to "Megadrive this, Megadrive that".

Damian Connon, Cushondall, Co Antrim

Ooh, what a giveaway! The simple fact that Strider is one of the games mentioned tells you what the best answer is: Strider, like so many other console games, was on the Amiga first!

Wherever you look, console owners are desperate to get their hands on Amiga games like Kick Off, Populous and James Pond 2: Robocod easily out-classes most console games at their own game! All the best, most original stuff started out on the Amiga.

Plus, can your console-owning friend play flight sims with the full realistic complexity that only a keyboard can provide? I don't think so. Can he create his own pictures, animations and music? I think not. There's really no comparison, is there?

ACTION REPLAY

PRIZE

The Dreaded March Issue (regular readers will remember that we took some stick over the balance of the content of that issue, the one with all the CD reviews in - Ed). A CD-ROM player is something I've been having a quiet dribble over for some time now, and it was great to find out how good the current software is.

Incidentally, a CD full of fonts for use in DTP packages or AMOS would be a boon. The Mac users get them - how about us?

Finally, Amiga-spotting. Hmmm, a bit like train-spotting, n' est-ce pas? Anyway, my binoculars and notepad have helped me to spot our beloved Amy on TV on three occasions: *The Cloning of Joanna May*

(confirming the 'possible' from last issue); *Filipino Dreamgirls* on BBC2, where Lee Cornes was using one with a DTP package; and finally on *Red Dwarf V*: 'Holoship', during Rimmer's entrance test, and 'Terraform', when Lister encounters Kryten's robotic hand. I also glimpsed an Amiga mouse on *GamesMaster*, but perhaps that's cheating...

Mark A Cooper, Stainforth, Doncaster

I'm in a generous mood this month, so you get an Amiga Format T-shirt and binder for being the first reader to spot the Red Dwarf Amigas. Remember, readers, we're trying to spot the Amiga on the telly, with Neighbours, Lovejoy and so on already confirmed sightings.

Rolf Harris' Carton Club doesn't count, and I'm the first to mention the appearance of Rombo's excellent Take 2 animation system on Motormouth, where it

starred along with Aardman Animations, the guys behind Creature Comforts.

As for CD titles: I feel that the only way you can decide whether it's worth splashing out nearly £300 on a CD-ROM drive is to know how good the software is, and I'm grateful for your support on that one.

Last of all, don't forget that your first chance to take a look at the A570 Amiga CD-ROM drive in the flesh, as it were, will be at the Amiga Shopper Show in London on May 15-17, so see you there!

CONSOLE KICKING

Why are games machines so popular? It's not as if they are cheaper. Nintendo games cost as much as the console itself and the graphics and sound are terrible. 'It has stereo bleeps', as my friend says.

Jared Schiller, Southampton
Continued overleaf

Letters

We've had another jam-packed postbag this month, but in the true spirit of exploration we've ventured to its very depths to find out what's on your minds. Editor **Damien Noonan** argues, agrees and asserts as another massive batch of opinions hits the press.

LEMMINGS AND WORLD WAR 2: THE CONNECTION REVEALED

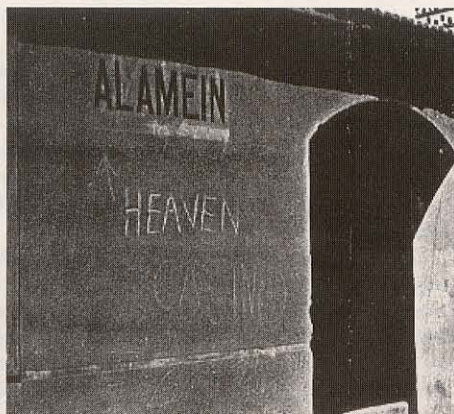
PRIZE

Please find attached top secret photocopied documentation that suggests an undeniable and disturbing connection between the 1942 North African conflict and *Psychosis' Lemmings*.

This highly classified photo appears in the *Pictorial History of Australians at War*, Volume 2, page 134. Recently, a detachment of the Australian Central Intelligence Committee, working closely with NATO forces, was able to penetrate the defences of Frankston Public Library and borrow the described volume for a period of two weeks.

Current theories suggest that lemmings were, in fact, a Nazi anti-personnel weapon. Please note that on this picture you can actually see, just starting up the curve of the archway, what is obviously a small group of lemmings crossing the arch to read the standard 'Heaven' directive code word which is, of course, inscribed on the wall of the El Alamein train station.

It can now be revealed that modern lemmings are in fact a carefully-planned Neo-Nazi tool. Each of us, while innocently playing *Lemmings*, is actually



EL ALAMEIN: is this old photograph proof that lemmings were active in the Second World War?

training hundreds of tiny soldiers, perfecting their skills and teamwork. Think about it: the weaker lemmings have to make the exit or die, the skilled Lemming exits via a mysterious hatch. Where on earth do they go...?

Rod Clifton, Frankston, Victoria, Australia



CLOSE TO HEAVEN: the mysterious connection between a wall in Africa and an imaginary inferno.

A fascinating piece of pictorial evidence, but I'm not convinced by the conspiracy theory. :Lemmings are far too cute, fluffy and terminally stupid to be involved in any kind of plot. Still, your detective work deserves a prize of an Amiga Format T shirt and binder: it's on the way via the Rhine and Italy.

HOW TO CONTACT AMIGA FORMAT

You can be certain of getting your enquiry to the magazine dealt with only if you make quite sure you're addressing your letter to the right person or place.

- We can never give personal replies by mail, so don't send us a stamped-addressed envelope
- We can under no circumstances give personal replies by fax, so please don't ask us to.
- We are available for enquiries by telephone every Tuesday between 10am and 6pm, and we'll be happy to talk to you then.
- Our advertising department can help with problems with companies who advertise in the magazine if you phone during normal office hours.
- Our subscriptions service and the *Amiga Format* mail order department are not in the same building and can be contacted on 0458 74023.

WORKBENCH

If you have any problems with the technical side of your Amiga, with hardware or with serious software, Pat will try to answer you in the mag. Alternatively, if you have any advice for others or any handy tips to share, send it in and you could win a prize.

WORKBENCH,
AMIGA FORMAT, 30 MONMOUTH STREET, BA1 2BW

GAMEBUSTERS

If you've just found the cheat mode, mapped out the levels or found all the passwords for the latest game, send it in to Maff and you could win a prize. Or if you're stuck, ask Helping Hand for advice – or solve someone else's problem and win a prize!

MAFF EVANS, GAMEBUSTERS
AMIGA FORMAT, 30 MONMOUTH STREET, BA1 2BW

LETTERS

The Letters pages are for you to air your views and share your opinions: please remember not to ask questions that should be in Workbench! Damien is looking for thought-provoking or entertaining letters, the shorter the better. Prizes for the best two.

LETTERS TO THE EDITOR
AMIGA FORMAT, 30 MONMOUTH STREET, BA1 2BW

COMPETITIONS

To enter a competition, write the answers and your name, address and phone number on the back of a postcard or a stuck-down envelope and send it in. You can enter as many times as you wish, but all entries must be posted separately: don't put several entries in one envelope together, or include entries with letters to any other part of the mag.

COMPETITION, AMIGA FORMAT,
29 MONMOUTH STREET, BATH BA1 2DL

SPECIAL OFFERS

If you've ordered anything from the *Amiga Format* Mail Order section and you've got a problem, please remember that we on the magazine don't deal with it at all. Write to them at our Somerton address or phone 0458 74011.

AMIGA FORMAT MAIL ORDER,
THE OLD BARN, SOMERTON, SOMERSET TA11 7PY

SUBSCRIPTIONS

Similarly, if you move house and want to make sure your copy of the mag catches up with you, then send the new address to

AMIGA FORMAT SUBSCRIPTIONS, THE OLD BARN,
SOMERTON, SOMERSET TA11 7PY

FAULTY COVERDISKS

The disks are duplicated and stuck on the magazine by a firm who we employ for that specific purpose. If you have a faulty disk, send it to them enclosing an SAE. We don't keep stocks of disks, so we can't help. DISKCOPY LABS, UNIT A, WESTMARCH, LONDON ROAD, DAVENTRY, NORTHANTS, NN11 4SA

PIRACY: THE DEBATE GOES ON...

Piracy: dirty word, dirty scene. But there is a nice 'n' simple way of cracking it!

Say, for argument's sake, that a company sells 25,000 copies of a top game at £25 each. That's a total of £625,000, OK? Right, top games are very often hacked, cracked and packed before they are even released. Probably 100,000 people get hold of pirated copies of a big game.

Now if the game sold for £10 instead. If it's a good game, no-one could resist it at that price. All the people who bought it at £25 plus all the people who got pirated copies would buy it, so that's 125,000 times £10, which is £1,250,000. Not bad, eh?

That also leads to a chain reaction of higher royalties for the programmers which leads to even more teams writing better software, so the industry just gets better and better.

Tim Long, Taunton

It's a great theory, but the problem is nobody knows exactly how the figures would stack up in reality: there's just no way of being sure that many people would pay for a genuine copy of a game if it were cheaper.

Some companies have tried releasing 'brand new' games at a lower price, and it hasn't worked for them. Unfortunately, what they tend not to realise is that that's because they weren't particularly good games, but after dipping their toes in the water and finding the temperature pretty darned cold they've been put off any further experiments.

What it would be interesting to discover is how much the software houses expect to make back from the development of a game. For example, I recently read an interview in a newspaper with the owner and director of a highly successful book publishing company. His attitude to the success of his publications, which are just as chancy as games in terms of whether or not they succeed, was revealing.

He said that at a well-run publishing company, only 10 per cent of projects would end up as major flops, losing money. Of the remainder, 70 per cent would break even, covering costs and keeping the company ticking over. It's the remaining 20 per cent that should become big hits, bringing in the profits and making the whole enterprise worthwhile.

I strongly suspect, though I have no real evidence to back this up, that most software companies expect a much higher return than that. I think they expect to make some kind of profit from every project: which makes them very wary of trying anything new and puts its own limit on how far they can expand into the mass market.

The inevitable result of this is that software companies are not going to make the first move. They're going to go for the unpiratable media, like cartridges, where a profit is almost guaranteed. When the cash rolls in, they are not going to have any incentive to cut prices: we've just got to hope that competition gets fierce and the price-drop follows.

ROBBED!

Returning home to my bedsit I discovered to my surprise that my door was unlocked. Surprise turned to horror when I opened my door to discover I'd been burgled.

Someone had broken into the loft through the neighbouring toilet and smashed a hole through the

ceiling to drop conveniently into my room. Apart from the devastation that was caused to my room through plaster and the contents of all the cupboards and drawers being thrown around, very little had actually been stolen. Except, of course, for my Amiga 500, colour monitor, all my software and a few other little accessories.

The moral of the story? Insure your Amiga – it can happen to you! I was naïve enough to believe I lived in a secure household and insurance was an unnecessary luxury. It will now be a very long time before I can afford to replace my set-up as I'm still paying for my old one.

Stephen Word, Sheffield

*That's desperately unlucky and you have our deepest sympathy: we're sending you a prize of an **Amiga Format** T-shirt and binder to help cheer you up a bit. You also deserve a prize for pointing out so eloquently to other the dangers of crime.*

I know only too well how easy it is to assume "it won't happen to me" – the contents of my flat aren't insured and they darned well ought to be, but I just haven't got around to it. Contents insurance will cover your Amiga and all the other stuff in your place of residence and only costs about £40-£60, so you know it makes sense.

Another thing that has to be worth mentioning is that you can get insurance cover with most hire purchase agreements: it costs hardly anything and it simply has to be worth doing. There's nothing worse than still having to pay for something after you've had it nicked from you.

Finally, in many high-risk areas the police organize schemes to invisibly mark your property with your postcode. While it won't necessarily stop the stuff from being half-inched in the first place, this will help the police track down your property when someone comes to try and flog it through the local small ads. Get info from your local council.

DUAL STANDARDS?

I have written to complain! Two years ago you reviewed *Ghouls 'n' Ghosts* which then cost £24.99 and you gave it over 90 per cent and an **Amiga Format** Gold award. However, you reviewed it on budget (£7.99) this issue and only gave it 54 per cent, because there are better platform games around.

Surely, though, the gameplay remains the same and just because there may be better games around, this should not be a reason to give it a lower mark.

Patrick Welmeier, Reading

A very good point, intelligently argued. I must admit to mixed feelings on this one.

Yes, two years on standards have changed and the idea of what makes a good game changes. Games have got better, new games have appeared of a particular kind that knock spots off the older ones. And the 'public taste' changes. So there is definitely a case for saying some older games wouldn't look as good today as they did two years ago.

Then there's the originality factor: a game might be strikingly original and appealingly new then, but not any more. It does count.

*On the other hand, the game costs less than a third now of what it did then (was that grammatical?) and so it is bound to be better value for the same gameplay. Plus I've always rather enjoyed *Ghouls 'n' Ghosts*. I have to say I think dear old James was probably a bit harsh on that one. Anyone else have an opinion on the game? (Not you, Raf Cecco!)*

POPULARITY POLL

So you want to know why we want more Letters, do you? Well, there are thousands of Amiga owners who belong to clubs where they are able to meet other users and swap ideas, information and so on.

Then there are the thousands of Amiga owners who aren't even sure that anyone else owns one of these wonderful machines.

You Letters pages brings lonely souls closer together, giving them an opportunity to voice opinions, ask advice or even just be reassured that there are still people using the Amiga.

Mick Hill, Sheringham

*It's a nice idea, if a little bit sad in an Eleanor Rigby kind of way, but I'm still not convinced of the truth of it. After all, you can't actually meet anyone face-to-face by reading the Letters pages. If anyone has an opinion about the psychological appeal of our Letters pages, I'm still keen to hear a convincing one. Meanwhile, we should soon have the results of last month's massive **Amiga Format** survey, which will tell us if you still want more Letters!*

MORE POP POLL

In Issue 30 you asked why us readers like the Letters pages so much. Well, as well as the rest of the magazine, the Letters pages are very, very informative and the replies you make are usually very funny.

Charles Fabri, Bourne, Lincolnshire

I must say, I thought the replies had been rather dull of late. We'll have to start spicing things up a bit, eh? Can anyone think of a good joke? No? Oh, dear...

PUB POLL

You ask why so many people enjoy the Letters pages so much. When was the last time you were in the pub having a chat with the locals or talking with your mates, finding out the latest gossip?

Well, that's what it's like. The problem is, the experience only lasts for 10 or 20 minutes, great – down the pub for 20 minutes! So please, consider extending the Letters pages.

David Shattu

Naturally I don't know what you mean, because I wouldn't be seen dead in one of those disreputable public house places. Or would I?

PC HUNT

In the News section of Issue 30 of **Amiga Format** I read about the new version of the C emulator from Vortex, but what I am really interested in is the Amiga emulator that's available for the PC which you mentioned in the same article. Therefore I would like you to send me the name, address and phone number of this company, please.

Adrian Linstow, Denmark

We'd be happy to, but unfortunately we have lost our record of who it is that is making the Amiga emulator for the PC. As soon as we find out again, we will certainly be printing an article about it.

OLD OWNER
ABANDONED?

I welcome with pleasure the announcement that there are now over 1,000,000 Amiga owners in the UK.

WRITE A LETTER, WIN A PRIZE – MAYBE!

Has it ever occurred to you to wonder why newspapers and magazines offer prizes to people who write them letters? Generally, I've always assumed, it's because they're desperately short of letters to print. We don't have any such problem. We always get stacks of letters; but we keep on giving the best, most interesting, thought-provoking or amusing a prize of an **Amiga Format** T-shirt and binder, partly because we're such generous souls, but also because we think your efforts deserve reward.

Write to... 'Letters', **Amiga Format**, 30 Monmouth Street, Bath BA1 2BW. Oh, and while you're reading these pages, it's worth remembering that one letter printed often represents about 50 we've received saying the same thing, so if you've ever thought "Quite right too!" when you read someone's opinions, you're very likely far from being on your own!

Now, assuming around 200,000 of the new Kickstart 2 machines have been sold over Christmas, that leaves about 800,000 Kickstart 1.2/1.3 owners. What has happened to this silent majority? Don't they feel they have been dumped on from a great height by Commodore?

Yes, I may be able to upgrade to 2.04, but nobody is quite sure because I have a 1.2 Revision 5 machine. And at what cost? Well, about £170 – £80 for the 2.04 upgrade, £45 for the Fatter Agnus and £45 for the ECS Super Denise. Altogether, half the price of a new Amiga: plus the cost of getting someone competent to

Continued on Page 223

GT BRITAIN SCENERY COLLECTION

for Flight Simulator 2 (Amiga & ST)

Great Britain Collection is a three disk set which provides a whole new environment in which to fly and explore. This set covers the whole of the U.K. and the Republic of Ireland in unprecedented detail with over 160 public access airports, many with VASI landing light systems and single and multiple I.L.S. approaches. This collection contains hundreds of navigation aids and includes special 3 colour charts.

Great Value at only £35.00 inclusive (FS2 only £29.95 inc.)

Pedal Patches. Allows the use of Quick-Joy Pedals with FS2 and FA18 Interceptor. **Special Price** £4.95 each

A320 Night Approaches. This essential add-on for A320 Airbus adds a whole new dimension and challenge to this impressive simulation.

£14.95 (A320 Airbus only £34.95 inc.)

GOLD AWARD

The Gravis MouseStick®
Better than the BEST Analogue Stick

GOLD AWARD

For sophisticated simulation enthusiasts, who demand PERFECT control, with programs such as Proflight, F19, Mig29, etc. A professional quality, programmable optical joystick C/W 16k microprocessor and L.C.D. screen offering 1200 line count resolution. Works perfectly with all simulations with sensible mouse routines and any others in its programmable joystick mode. No other joystick comes even close to the Mouse Stick for performance, reliability and pleasure in use. £69.00 + p&p



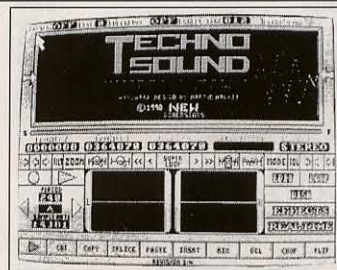
Full technical support and 1 year guarantee.
S.A.E. or telephone for full details
Telephone: (0272) 550900
Fax: (0272) 411052

R. C. Simulations
Unit 1b Beehive Trading Estate
Crews Hole Road
St. George
Bristol BS5 8AY.

★ **SPECIAL PRICE £99.00 per SET**
RING US ABOUT AIRBUS

FREE

BRITAIN'S No1 Sound Sampling System "EVERY AMIGA OWNER SHOULD HAVE IT" - Amiga Format

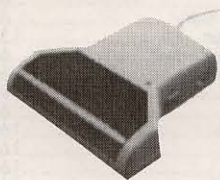


TECHNOSOUND

Worth £39.99 - FREE when you purchase any one of the following:



- ROMBO**
- Complete Colour Solution ..£149.99
 - Vidi Amiga£119.99
 - RGB Colour Splitter.....£79.95
 - Take 2 Animation£99.95



DAaTA
SCAN
Pro GS
V2.02

Pandaal hand scanner with latest greyscale software £129.99

£7 OFF
RRP £39.99

TECHNOSOUND TURBO WHEN PURCHASED SEPARATELY
£32.99 (INCLUDES AUDIO LEADS)

FIRECREST DISTRIBUTION
119 UNDERHILL CRESCENT,
ABERGAVERN, GWENT NP7 6DU.
TEL (0873) 850028

ADD £2.00 P&P



put in the chips, plus the associated soldering and track cutting for my revision.

Why don't Commodore do the sensible thing and offer us registered owners an upgrade to a completely new machine at a reasonable price. After all, it is not the new owners who have put the Amiga in its strong market position: it is the other 800,000 of us.

To add insult to injury, preliminary reports suggest that the A690 will not be compatible with 1.2 or 1.3 machines without circuit modifications and Agnus chip upgrades. Again totally at our inconvenience and expense. So come on, the other 799,999 of you: do as I have done and write to Commodore UK to demand that they offer us upgrades at a non-rip-off price.

Roy Davies, Ledbury

I find this letter interesting and well expressed, and I have to say I agree with it. But at the same time, I do wonder if it ignores a few hard, commercial realities.

There do seem to be a substantial number of people who are disgruntled with the fact that the Amiga 500 Plus is a far superior spec machine to theirs. But it's almost as if Commodore owe it to them to give them the upgrade free. Why should they?

Think of it this way. If you buy a Ford Fiesta one year, then next year Ford bring out a new model, you don't expect them to offer you a cheap trade-in to the new one, do you? Or perhaps you do. I don't know.

We've had a lot of people asking us lately whether we think it's worth their while upgrading to the new machine's specification. And the honest answer is no, it's not.

The new Denise gives access to two new high-resolution graphics display modes. These can only be used with an expensive multisync monitor and are only suited to certain kinds of professional work, like DTP, where a very high resolution is required. If you were going to do DTP professionally, you wouldn't do it on a 500 anyway: you'd pick a larger machine. I'd be willing to bet that not one A500 Plus owner in the UK uses the new graphics modes regularly.

The other big change is the new Agnus chip, which gives 2Mb of Chip memory. As we have seen, this has been more of a hindrance to A500 Plus owners than it has been a help: they've discovered that lots of programs won't run purely in Chip memory, and very few are using the kinds of program which actually take advantage of extra Chip memory.

Even if it's just the Workbench 2 upgrade you're considering, I honestly believe it's not worth forking out the cash for: unless you have a hard drive. If you're using your Amiga a lot for serious use, with a hard drive, then the advantages of having a proper, viable WIMP interface are immense. But otherwise, it does not really give you any extra power than older versions of Workbench did.

So, if there's no advantage in the upgrade, where does this leave us? Pretty confused, really. I know we have been advocating the A500 Plus and Workbench 2, but only in the same way we would praise the new Ford Fiesta over the old one if we were a car magazine. The A500 plus is a genuine improvement: but it's not worth chucking lots of money at your old Amiga to bring it up to the same standard.

Where I agree with you completely and utterly, however, is in the matter of the A570 (the thing that used to be called the A690) CD-ROM drive. This gadget will not work with Kickstart 1.2 and it will require 1Mb of Chip memory, which instantly cuts out more than half the Amiga owners out there. It seems unlikely that Commodore will strive to bring the price of this conversion down to a feasible price.

TOO HIGH A PRICE?

I don't know where some people buy their software! I have had my Amiga for four years and have never spent more than £20 on software. I have quite a few titles in my collection, including *Jimmy White Snooker*, *Thunderhawk*, *F-19 Stealth Fighter* and *M1 Tank Platoon*, all these for less than £20 each. Might I suggest people try mail order or join a software club.

Tim Booth, Bradford

That's all well and good, but in any case you can often get games only a few weeks after release in high street stores for around £17.99. But many people can't afford to buy games regularly at that sort of price mark, the same way they can afford to buy music CDs or videos that cost half the price. Besides, it seems that you don't use your Amiga for anything more than playing games: it's very often the useful or creative software that costs a lot more.

UPGRADE CITY

I'm concerned about upgrades for games software. The reason for this is highlighted by Anco's *Kick Off* series. Over the years I've bought *Kick Off* (£25), *Player Manager* (£25), *Kick Off 2* (£25) and the *European Data Disk* (£7), and in the coming year I will no doubt buy *Player Manager 2* (£25) and *Kick Off 3* (£25). That's a total of £132 on what is essentially the same game with a few extra features added.

So why don't Anco release the base game and then make subsequent upgrades available at a lower price? They could charge, say, £40 for the original game and then maybe £10 or £15 for the upgrades.

Tony "Striker" Martin, Peterborough

*The problem with the plan is that most companies do not know when they release a game originally that it is going to be popular enough to make an upgrade system worthwhile. I was, however, under the impression that Anco were planning to release *Kick Off 3* as a cheaper upgrade to current owners. We'll update this when there's more news on *Kick Off 3*. I still think *Kick Off 2* is the best game ever.*

MORE UPGRADES

My big interest is military simulations, the best of these being *Harpoon* by Three-Sixty. The simulation is excellent, comprising a main program disk and a disk containing *Battleset 1*. It is stated quite clearly in the manual that "other *Battlesets* simulating campaigns in other areas of the world will be offered as a separate purchase which will run with your original software".

For some time I have waited eagerly for the first of these to be released, then finally last week I spotted *Battleset 2* in a local software shop. Imagine my horror when I read that to get *Battleset 2* I must purchase a second copy of the program disk! I queried it with the shop assistant and was informed that this was due to changes made in the main program.

While I enjoy the game a great deal, I resent having to purchase programs twice. If Three Sixty wish to upgrade the program, then why not offer existing owners the option of exchanging the original disks for the updated version for a small fee?

I realise this in no way excuses software piracy, but I feel that if manufacturers continue in this manner then they are just providing excuses for pirates to continue playing their trade.

Paul Cooper, Melbourne, Derbyshire

This sort of behaviour isn't at all fair or reasonable, but I don't believe the information the shop assistant gave you was entirely correct. The program is distributed over here by Electronic Arts: telephone them on 0753 549442 and they will be glad to help.

PIRACY DEBATE

When I was walking down the high street in my local town centre the other day, I saw a bloke with a wooden leg and a crutch. He had a hook for a hand and a patch over one eye and was ranting on about how he had just had his hair washed and conditioned and he now couldn't do a thing with it. Later on, it occurred to me that he was one of these "soft-hair pirates" we hear so much about. Next time I see him I'll kick him in the crutch. OK?

Kevin Wigman, Woking

The last ever Quote of the Month!

Way back in the mists of time, we started putting a cryptic little quotation on the Contents pages and offering a little prizette to the first person each month to identify where it came from. Well, you've all lost interest so badly that we've decided never to bother doing it again. If you can't be bothered sending us a postcard to show you care...

Anyway, the last ever winner of the quote of the month competition is Christopher Garnier of Cardiff, who wins an **Amiga Format** T-shirt for correctly observing: "The quote in your February issue, 'I sentence you to be hanged and burned over a basket of live cats', is from the film *Warlock*". Well done Christopher: the prize is on the way.

Spot the shot 34



Simply identify the game that this small portion of a screenshot is from, write the answer on a postcard with your name and address and send it in to us.

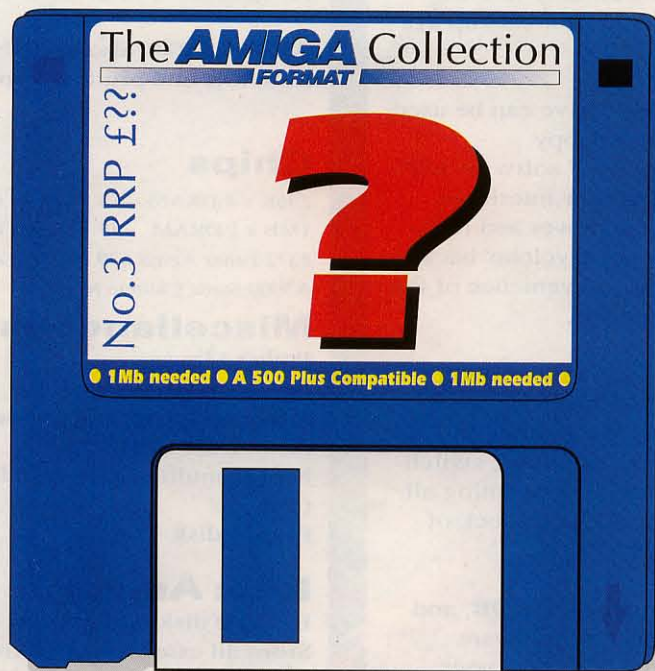
The address is Spot the Shot 34, **Amiga Format**, 30 Monmouth St, Bath BA1 2BW. The first correct entry out of the hat every month will win an **Amiga Format** T shirt!



The winner of the Spot the Shot competition last Issue 32 is Neil Tunney of Hall Green, Birmingham, who correctly identified this small portion of the crowd from *WWF Wrestling*. An **Amiga Format** T-shirt is on the way to you!

The Amiga Format Collection No. 3

For the third time running, a second Coverdisk, another complete full-price program... the only question is, what will it be?



Yes, next month we will be bringing you Number Three in a continuing series of full, complete, 'serious' software. To add to your Vista scenery generator, and this month's excellent desktop publishing program, PageSetter, we aim to deliver to you yet another package that will help you explore a different aspect of your Amiga that you hadn't considered before buying one of The Amiga Format Collection.

At the time of going to press, we are just closing the deal on a top-priced essential utility for your further enjoyment of the Amiga, so you'll have to wait until May 14 to find out precisely what we've got lined up for you.

But don't worry if the 'serious' side of the Amiga isn't your particular cup of cha, because there will be another game-packed Down at the Arcade Coverdisk.

Amiga Format

EDITOR Damien Noonan
ART EDITOR Marcus 'Dr' Dyson
SCREENPLAY EDITOR Neil Jackson
TECHNICAL EDITOR Pat McDonald
PRODUCTION EDITOR Gary Lord
STAFF WRITER Maff Evans
ART ASSISTANT Frank Bartucca
EDITORIAL ASSISTANT Clare Hodgson
ABSENT CORRESPONDENT Asam Ahmad
CONTRIBUTORS James Leach, Neil West, Andy Hutchinson, Jason Holborn, Tim Smith, Brian Larkman, Linda Barker, Rich Longhurst, Ed Ricketts, Chris Lloyd

GROUP ADVERTISING MANAGER Jonathan Bint
DEPUTY AD MANAGER Duncan Ferguson
GAMES MANAGER Simon Whitcombe
SENIOR SALES EXEC Tim Partridge
AD PRODUCTION Nicola Lucas
PUBLISHER Gregory Ingham
PROMOTIONS MANAGER Michele Harris
PROMOTIONS ASSISTANT Tamara Ward
PHOTOGRAPHY Ashton James, Bradford-on-Avon
COLOUR ORIGINATORS Phoenix Repro
PRINTERS Chase Web, St Ives PLC, Plymouth
NEWS TRADE DISTRIBUTION UK Future Publishing 0225 442244
NEWS TRADE DISTRIBUTION OVERSEAS: MMC Ltd 0483 211222
CIRCULATION DIRECTOR Sue Hartley 0225 442244



Home of Britain's finest magazine.

AMIGA FORMAT

Amiga Power • Amiga Shopper • ST Format
 Sega Power • Public Domain • Total
 Amstrad Action • Your Sinclair
 Commodore Format • PC Answers
 PC Format • PCW Plus • PC Plus
 Mountain Biking U.K. • Cycling Plus
 Needlecraft • Classic CD • Photo Plus

Dear Newsagent,

Please reserve me a copy of the next issue of **Amiga Format**:

Amiga Format Issue 35, June 1992 – on sale May 14

Name

Address.....

To the Newsagent: **Amiga Format** is published and distributed by Future Publishing and is available from your wholesaler. Send back these coupons for entry in a free prize draw to: Kate Elston Future Publishing, 30 Monmouth Street, BATH BA1 2BW. Remember to include your shop, name and address.

Your guarantee of value

This magazine comes from Future Publishing, a company founded just seven years ago but now selling more computer magazines than any other publisher in Britain. We offer:

Better advice. Our titles are packed with tips, suggestions and explanatory features, written by the very best in the business.

Stronger reviews. We have a cast-iron policy of editorial independence and our reviews give clear buying recommendations.

Clearer design. You need solid information fast. So our crayon-wielders

highlight key elements by using charts, diagrams, summary boxes, annotated photographs, and so on...

Greater relevance. At Future, Editors operate under two golden rules:
 ● Understand your readers' needs.
 ● Er, satisfy them.

More reader interaction. We draw on readers' contributions, resulting in the liveliest letters pages and the best reader tips. Buying one of our magazines is like joining a nationwide user group.

Better value for money. More pages, better quality – magazines you can trust.

POWER COMPUTING

Optical Hard Disk



External

Optical 128MB + 5 disks (eq. to 600MB) **£1275**

Optical 128MB + 10 disks (eq. to 1GB) **£1450**

A500 requires a suitable SCSI Host adaptor, not supplied

Internal (A1500/A2000)

Optical 128MB + 5 disks (eq. to 600MB) **£1075**

Optical 128MB + 10 disks (eq. to 1GB) **£1250**

SCSI Controller Card for A2000/A1500 **£199**

24 Bit Colour Card

16 million colours

GVP Impact Vision **£1655**

Rambrandt **£1500**

Harlequin 1MB **£1275**

Harlequin 2MB **£1399**

Harlequin 2MB **£1520**

Harlequin 4MB **£1599**

TV Paint 24 bit paint program **£899**

TV Record **£169**

TV Display **£79**

Power Scanner Packs

Power Scanner, 512K of RAM with clock **£114**

Power Scanner + PC880B **£159**

Power Scanner + Dual Drive **£209**

Power Scanner, 512K of RAM + Pro Page **£249**

Power Scanner, 1MB of RAM + Pro Page **£270**

Videon v3.0

Digitize and display all 4096 colours in high resolution

Digitize directly from colour video sources (VCR's, video cameras, video disc)

Dynamic hi-res without interrupting multi-tasking

24 bit compatible (Digitize 16.7 million colours)

68030 compatible

Videon v3.0 **£199**

Microgen Amiga Genlock **£199**

Videon 3.0 & Microgen **£389**

New PC880B

Now with X-Copy Professional!

Power Computing have teamed up with **Cachet** of Germany to bring you the **ultimate** in disk backup systems.

The new **PC880B** Drive can be used directly with the X-Copy Professional 'Cyclone' software without any extra cables or interfaces. This gives you the power and reliability of the proven 'Cyclone' backup software with the convenience of the **PC880B** floppy drive.

So now you can have two backup systems 'Blitz' and 'Cyclone' available at the touch of a button! and the **PC880B** still has our unique switchable anti-virus mode, preventing all write accesses to the bootblock of your floppy disks!

If you already own a **PC880B**, and the Cyclone copier, a hardware upgrade is available to take your drive up to the latest specification.

New **PC880B** with Blitz & X-Copy Professional software **£99.95**

New **PC880B** (Cyclone compatible) ***£79.95**

Cyclone Hardware Upgrade for existing **880B** owners **£15.00**

*This drive is available only to REGISTERED owners of X-Copy Professional. You must provide proof of purchase of X-Copy Professional.

SPECIAL UPGRADE OFFER!

If you consider your scanner system to be inferior to the Power Scanner, we will happily upgrade your software and interface for only **£49.95**

Power Scanner is compatible with most scanning heads.

A500

Amiga 500+ **£399**

Amiga 500+, 2MB **£445**

Amiga 500+, 20MB Internal hard drive **£600**

Amiga 500+, 52QMB GVP hard disk **£780**

A1500, A3000 also available **£POA**

Monitors and printers also available **£POA**

Chips

256K x 4 DRAM **£5** 4MB x 8Simm **£150**

1MB x 1 DRAM **£5** 1MB x 8Simm **£30**

8372 Fatter Agnus **£39** 1 x 4 Zip **£24**

A3000 Static Column RAM **£24**

Miscellaneous

Power Mouse **£15**

Optical Mouse **£29.95**

Replacement optical mouse mat **£9.95**

A500 Dust Cover **£9**

Maxell multi colour branded disks (10) **£9.95**

Floppy disk **£POA**

Blitz Amiga

Back up disks at lightning speed
Stops all external drives from clicking
Contains anti-virus from being written into the bootblock **£25**

PC Emulators

KCS PC Power Board **£235**

KCS A2000 Power Board, includes MS-Dos 4.01, GW Basic, Shell, Dos-Help & on-board memory **£209**

Without Dos **£179**

Adaptor for A1500/A2000/A3000 **£69.95**

Progressive Peripherals 68040 Accelerator Board

25MHz Motorola 68040

Built-in maths co-processor

Expandable up to 32MB of RAM

Software compatible with all 68040 family processors

Many more features

0MB RAM **£1449** 16MB RAM **£2109**

4MB RAM **£1569** 32MB RAM **£2525**

8MB RAM **£1689**

Bare SCSI Hard Drive

52 Quantum **£199** NEC 45MB **£179**

105 Quantum **£299** NEC 100MB **£279**

(suitable for GVP Combo or GVP HC or Nexus HC)

Send your order to Power Computing Ltd, Unit 8 Railton Road, Woburn Road Industrial Estate, Kempston, Bedford MK42 7PN
Ring your credit card order through on **0234 843388 (10 lines)** or fax your order on **0234 840234** Technical Helpline **0234 841882**

All prices include VAT, delivery and are subject to change. Specifications are subject to change without notice. Next day delivery £4.50 (U.K. mainland only), all trademarks acknowledged.

Power Computing SRL Italy, Via Delle Baleari, 90, 00121 Ostia Lido, Roma
Tel (06) 5646310 (2 lines) Fax 5646301

Power Computing France, 15 Bld Voltaire 75011, Paris France
Tel (1) 43570169 (6 lines) Fax (1) 43380435

Power Computing U.S.A., 21 South 5th Street, Suite 900, Philadelphia, PA 19106
Tel 215 922 0050 Fax 215 922 0116

POWER COMPUTING

Economy Packs

1 PC880E + 10 Maxell Disks	£52
2 PC880E + 10 Maxell Disks and Zip Stick	£61
3 PC880E + 10 Maxell Disks and 512K RAM with clock without clock	£79 £76
4 PC880E + 10 Maxell Disks, 1MB RAM (For A500+ only)	£92
5 PC880E + 10 Maxell Disks and 1.5MB	£101
6 PC880E + 40 Maxell Disks, DD40 diskette box, Power Mouse, Zip Stick & 512K RAM	£114
7 PC880E + 40 Maxell Disks, DD40 diskette box, Power Mouse, Zip Stick & 1MB RAM (for A500+ only)	£129
8 PC880E + 40 Maxell Disks, DD40 diskette box, Power Mouse, Zip Stick & 1.5MB RAM	£169

Home Packs

1 PC880B + 10 Maxell Disks	£75.95
2 PC880B + 10 Maxell Disks & Zip Stick	£84.95
3 PC880B + 10 Maxell Disks, 512K RAM with clock without clock	£97.95 £91.95
4 PC880B + 10 Maxell Disks & 1MB (for A500+ only)	£112.95
5 PC880B + 10 Maxell Disks & 1.5MB RAM	£152.95
6 PC880B + 40 Maxell Disks, DD40 diskette box, Power Mouse, Zip Stick & 512K RAM	£148.95
7 PC880B + 40 Maxell Disks, DD40 diskette box, Power Mouse, Zip Stick & 1MB RAM (for A500+ only)	£163
8 PC880B + 40 Maxell Disks, DD40 diskette box, Power Mouse, Zip Stick & 1.5MB RAM	£199

Executive Packs

1 Dual Drive inc. PSU + 10 Maxell Disks	£125
2 Dual Drive + 10 Maxell Disks & Zip Stick	£134
3 Dual Drive + 10 Maxell Disks & 512K with clock	£159
4 Dual Drive + 10 Maxell Disks & 1MB RAM	£174
5 Dual Drive + 10 Maxell Disks & 1.5MB RAM	£214
6 Dual Drive + 40 Maxell Disks, DD40 diskette box, Power Mouse, Zip Stick & 512K RAM	£203
7 Dual Drive + 40 Maxell Disks, DD40 diskette box, Power Mouse, Zip Stick & 1MB RAM	£219
8 Dual Drive + 40 Maxell Disks, DD40 diskette box, Power Mouse, Zip Stick & 1.5MB RAM	£258

GVP Series 2 Hard Disk (A500)

Up to 8MB FAST RAM on-board
 52QMB 0MB £379 105QMB 0MB £579
 52QMB 2MB £439 105QMB 2MB £631
 52QMB 4MB £469 105QMB 4MB £691
 52QMB 8MB £649 105QMB 8MB £840

GVP Series 2 Hard Card or Nexus Hard Card

High speed 'FAASTROM' controller
 Up to 8MB Simm RAM on board fully auto booting
 Supports external SCSI devices
 For A1500/A2000

Bare	£199
52QMB	£279
52QMB 2MB	£339
52QMB 4MB	£399
52QMB 8MB	£469
105QMB	£479
105QMB 2MB	£539
105QMB 4MB	£599
105QMB 8MB	£749

GVP G-Force

68030 Accelerator board	
68882 maths co-processor	
25MHz 1MB RAM	£549
40MHz 4MB RAM	£1249
50MHz 4MB RAM	£1685
Simm 32 x 1MB-60	£65
Simm 32 x 4MB-60	£234
Hard drive mount kit	£35

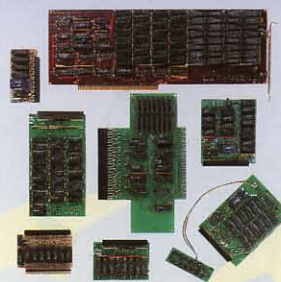
GVP A2000 RAM Expansion

2MB	£159
4MB	£219
6MB	£279
8MB	£339

GVP Sound Sample £73
 All GVP products come with a 2 year guarantee

Kickstart Switcher

The Power Kickstart Switcher fits into any A500 or A500+ and can be fitted with up to three Kickstart ROMs and can be enabled when you switch on your Amiga. This gives you all the benefits of the new versions of Kickstart while still being able to use your old games and software.
 Kickstart Switcher (bare) £14.95
 Switcher with Kickstart 1.3 £44
 Switcher with Kickstart 2.04 £64
 Switcher with Kickstart 1.3 and 2.04 £94



PC501 + RAM Card

Our RAM board is designed specially for the new A500+ computer and comes with 1MB of RAM on board to expand your memory to 2MB of chip RAM. Plug in and go operation - fits into trapdoor. Gives you a total of 2MB of chip RAM £49
 32 chip RAM card £39.95

8MB A500 RAM Board

Plugs into side slot
 Fully auto config
 Full thru'port
 Expand 2MB-8MB
 2MB £129 4MB £189
 8MB £299 1x4Zip £24

1.5MB RAM Board

Plugs easily into your Amiga £79
 Fully supports 1MB chip RAM
 Fully compatible with 'Fatter Agnus' (Kickstart 1.3 and above, not compatible with A500+)

A500 RAM Card

A 512K RAM expansion with battery backed clock and a free disk packed with useful software
 (4chip RAM) £29
 512K RAM Card without clock £24
 16 chip RAM Card with clock £24
 16 chip RAM Card without clock £19 (A500+ compatible)

1MB RAM with Thru'port

Expand your A500's memory to a total of 2MB without disposing of your existing 512K upgrade. Works with 1MB of chip RAM, simple internal fitting. £49.95
 (512K RAM must be 4 chip type, or not exceeding 9cm in length)

ARIES A2000 RAM EXPANSION

2MB	£129
4MB	£169
6MB	£209
8MB	£249



Send your order to Power Computing Ltd, Unit 8 Railton Road, Woburn Road Industrial Estate, Kempston, Bedford MK42 7PN
 Ring your credit card order through on **0234 843388 (10 lines)** or fax your order on **0234 840234**. Technical Helpline **0234 841882**

All prices include VAT, delivery and are subject to change. Specifications are subject to change without notice. Next day delivery £4-50 (U.K. mainland only), all trademarks acknowledged.

Power Computing SRL Italy, Via Delle Baleari, 90, 00121 Ostia Lido, Roma
 Tel (06) 5646310 (2 lines) Fax 5646301

Power Computing France, 15 Bld Voltaire 75011, Paris France
 Tel (1) 43570169 (6 lines) Fax (1) 43380435

Power Computing U.S.A., 21 South 5th Street, Suite 900, Philadelphia, PA 19106
 Tel 215 922 0050 Fax 215 922 0116

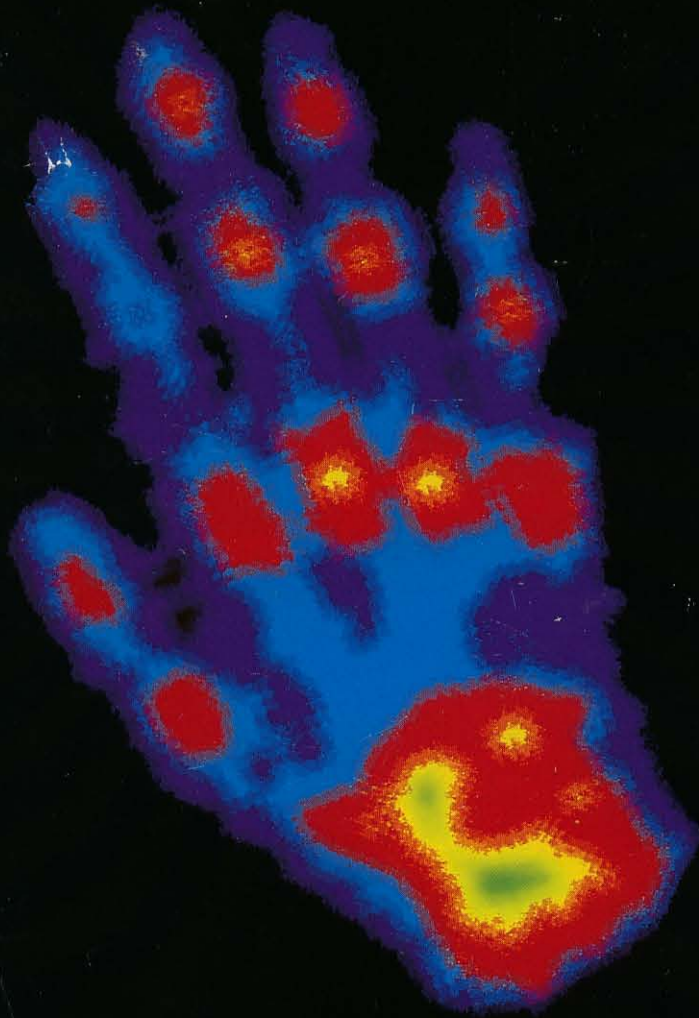
the bitmap brothers



x e n o n

c a d a v e r

s p e e d b a l l 2



v o l u m e 1



STREETDATE: APRIL £25.99
COMMODORE AMIGA & ATARI ST

CI METROPOLITAN WHARF WAPPING WALL LONDON E1 1SS

